

AW139
ATA 62 Main Rotor



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Serial 1

Chapter n° 2 ✓
Part n° 62-20-00-01-000

DESCRIPTION (1) MAIN ROTOR ASSY.	P/N (2) 3G6220A00132	S/N (3) R340	MANUFACTURER NAME (4) AGUSTA	ASSEMBLY DATE (5) SEPTEMBER 09 ✓	RETIREMENT LIFE (6) ON CONDITION
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE (11)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE (11)

N° (12)

ASSEMBLY HISTORICAL RECORD

INSTALLATION								REMOVAL						
DATE (13)	A/C			ASSY		ORGANIZATION (19)	STAMP AND SIGNATURE (20)	DATE (21)	A/C TOTAL TIME (22)	ASSY		REASON OF REMOVAL (25)	ORGANIZATION (26)	STAMP AND SIGNATURE (27)
	R. MARKS (14)	N/C (15)	TOTAL TIME (16)	TOTAL TIME (17)	TIME SINCE OH (18)					TOTAL TIME (23)	TIME SINCE OH (24)			
OCT. 09		31282	00.00	00.00	NEW	AGUSTA	A1 262	04.18. 2021	3695.5	3695.5	3695.5	Rmvd from N925UH OFF WING INSPECT.	BRISTOW	BRISTOW
417-22	811TA	41269	7035.1	3695.5	3695.5	Era	WAGASID							



LOG CARD

Sezione 2

Chapter n° 62

Part n°

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REF. P/N: 3G6220A00132 S/N: R340

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
M. R. HUB ASSY	3G6220A00332	R307✓	46000 FH	00.00	00.00	NEW	A1 262				
ADAPTER RING	3G6220A01351	Q315	1200 FH Insp.	00.00	00.00	NEW	A1 262				
SLIDING RING ASSY	3G6220A00432	R420	1200 FH Insp	00.00	00.00	NEW	A1 262				
M. R. SCISSOR ATT. FLANGE ASSY	3G6220A00632	R309✓	47450 FH	00.00	00.00	NEW	A1 262				
CONICAL RING LOWER	3G6220A01951	Q475	1200 FH Insp.	00.00	00.00	NEW	A1 262				
TENSION LINK ASSY	3G6220A00531	MC-09-0514	1200 FH Insp.	00.00	00.00	NEW	A1 262				
TENSION LINK ASSY	3G6220A00531	MC-09-0517	1200 FH Insp.	00.00	00.00	NEW	A1 262				
TENSION LINK ASSY	3G6220A00531	MC-09-0518	1200 FH Insp.	00.00	00.00	NEW	A1 262				
TENSION LINK ASSY	3G6220A00531	MC-09-0519	1200 FH Insp.	00.00	00.00	NEW	A1 262				
TENSION LINK ASSY	3G6220A00531	MC-09-0520	1200 FH Insp.	00.00	00.00	NEW	A1 262				
ELASTOMERIC BEARING	3G6220V00153	LK1052✓	100000 Landings	00.00	00.00	NEW	A1 262				
ELASTOMERIC BEARING	3G6220V00153	LK1054✓	100000 Landings	00.00	00.00	NEW	A1 262				

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REF. P/N: 3G6220A00132 S/N: R340

Sezione 2

Chapter n° 62

Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
ELASTOMERIC BEARING	3G6220V00153	LK1058✓	100000 Landings	00.00	00.00	NEW	A1 262				
ELASTOMERIC BEARING	3G6220V00153	LK1135✓	100000 Landings	00.00	00.00	NEW	A1 262				
ELASTOMERIC BEARING	3G6220V00153	LK1137✓	100000 Landings	00.00	00.00	NEW	A1 262				
PITCH CON. LEVER ASSY	3G6220A00732	Q2052	4 Years Insp.	00.00	00.00	NEW	A1 262	3695.5	3695.5	3695.5	ERA VOGR290L
PITCH CON. LEVER ASSY	3G6220A00732	Q2055	4 Years Insp.	00.00	00.00	NEW	A1 262	3695.5	3695.5	3695.5	ERA VOGR290L
PITCH CON. LEVER ASSY	3G6220A00732	Q2056	4 Years Insp.	00.00	00.00	NEW	A1 262	3695.5	3695.5	3695.5	ERA VOGR290L
PITCH CON. LEVER ASSY	3G6220A00732	Q2059	4 Years Insp.	00.00	00.00	NEW	A1 262	3695.5	3695.5	3695.5	ERA VOGR290L
PITCH CON. LEVER ASSY	3G6220A00732	Q2060	4 Years Insp.	00.00	00.00	NEW	A1 262	3695.5	3695.5	3695.5	ERA VOGR290L
M/R DAMPER BOLT	3G6220A01251	Q2781✓	51700 FH	00.00	00.00	NEW	A1 262	996.7	996.7	—	
M/R DAMPER BOLT	3G6220A01251	Q2782✓	51700 FH	00.00	00.00	NEW	A1 262	993.2	993.2	—	
M/R DAMPER BOLT	3G6220A01251	Q2783✓	51700 FH	00.00	00.00	NEW	A1 262	686.3	686.3	686.3	AP3220961
M/R DAMPER BOLT	3G6220A01251	Q2784✓	51700 FH	00.00	00.00	NEW	A1 262	996.7	996.7	—	



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Chapter n° 62
Part n°

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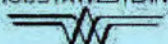
REF. P/N: 3G6220A00132 S/N: R340

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
M/R DAMPER BOLT	3G6220A01251	Q2786✓	51700 FH	00.00	00.00	NEW	A1 262	996.7	996.7	—	
BLADE BOLT	3G6220A00251	Q4214	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4237	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4263	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4293	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4273	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4244	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4182	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4229	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4352	1200 FH Insp.	00.00	00.00	NEW	A1 262				
BLADE BOLT	3G6220A00251	Q4165	1200 FH Insp.	00.00	00.00	NEW	A1 262				
DAMPER	3G6220V01351	2052✓	2400 OH 48600 FH	00.00	00.00	NEW	A1 262	778.1	778.1	778.1	<i>Harry Henry</i>

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REF.

P/N: 3G6220A00132

S/N: R340

Sezione 2

Chapter n° 62

Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
DAMPER	3G6220V01351	2063✓	2400 OH 48600 FH	00.00	00.00	NEW	A1 262	355.4	355.4	355.4	Fans Kerning
DAMPER	3G6220V01351	2049X	2400 OH 48600 FH	00.00	00.00	NEW	A1 262	996.7	996.7	996.7	80 10/20/13
DAMPER	3G6220V01351	2051X	2400 OH 48600 FH	00.00	00.00	NEW	A1 262	996.7	996.7	996.7	80 10/20/13
DAMPER	3G6220V01351	2053✓	2400 OH 48600 FH	00.00	00.00	NEW	A1 262	355.4	355.4	355.4	Fans Kerning
DAMPER	3G6220V01351	1977	2400 OH 48600 FH	355.4	431.0	431.0	Fans Kerning	993.2	562.2	562.2	80 10/16/13
DAMPER	3G6220V01351	1342	2400 OH 48600 FH	355.4	1461.4	1461.4	Fans Kerning	996.7	2102.7	2102.7	80 10/20/13
DAMPER - WHISK	3G6220V01351	MCR 2838	2400 OH 48600 FH	1086.3	0.0	0.0	Fans Kerning	1093.4	367.1	367.1	80 10/30/14
M/R DAMPER BOLT	3G6220A01251	DM12717	51700 FH	1086.3	0.0	0.0	Fans Kerning	1957.4	1109.1	1109.1	104
DAMPER - yellow	3G6220V01351	0618AB	2400 OH	993.2	1658.9	0.0	80	1047.7	1713.4	-	80 11/21/14
DAMPER - Black	3G6220V01352	MCR5315	2400 OH	996.7	1470.9	0.0	80				
DAMPER - Blue	3G6220V01352	1874	2400 OH	996.7	318.3	0.0	80				
DAMPER - Red	3G6220V01352	1901	2400 OH	996.7	318.3	0.0	80				



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Sezione 2

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Chapter n° 16.2

Part n°

PN: 366220A00132 SN: R340

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
M/K Damper Belt ^{HITE}	366220A01251	0M121500	51700	996.7	0.0	NEW					
M/K Damper Belt ^{YELLOW}	366220A01251	0M12723	51700	993.2	0.0	NEW					
M/K Damper Belt ^{BLACK}	366220A01251	0M22835	51700	996.7	0.0	NEW					
M/R Damper Belt ^{BLUE}	366220A01251	0M22836	51700	996.7	0.0	NEW					
1/30/11 Damper - White	366220V01352	0594	2400 OH	1033.4	1532.0	1532.0					
21/11 Damper - Yellow	366220V01352	1303	2400 OH	1037.7	1134.5	1134.5					
Damper	366220V01352	1013		2016.6	2394.8	—	Bristow ^{ER}	3185.3	3568.5	1171.6	Bristow ^{ER}
Damper	366220V01353	1477		3185.8	2959.7	1182.0	Bristow ^{ER}	3185.3	3469.9	1693.2	ERA ^{0002290L}
PITCH CONTROL LEVER	366220A00732	V1343		3695.5	0.0	NEW	ERA ^{0002290L}				
PITCH CONTROL LEVER	366220A00732	V452		3695.5	4817.4	4817.4	ERA ^{0002290L}				
PITCH CONTROL LEVER	366220A00732	V451		3695.5	4817.4	4817.4	ERA ^{0002290L}				
PITCH CONTROL LEVER	366220A00732	V0716		3695.5	4729	4729	ERA ^{0002290L}				



LOG CARD

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Section 2

ATA Chapter

COMPONENTS INSTALLED ON ASSY

ASSY P/N (26)			ASSY S/N (27)								
COMPONENT DATA			INSTALLATION				REMOVAL				
DESCRIPTION (28)	P/N (29)	MANUFACTURING DATE (31)	ASSY	COMPONENT			ASSY	COMPONENT			
			TOTAL HOURS (33)	TOTAL HOURS (34)	TIME SINCE OH (35)	DATE (36)	TOTAL HOURS (38)	TOTAL HOURS (39)	TOTAL HOURS WITH PENALTY FACTOR (40)	TIME SINCE OH (41)	DATE (42)
	S/N (30)	RETIREMENT LIFE / TIME LIMITS (32)	TOTAL LANDINGS (33)	TOTAL LANDINGS (34)	LANDINGS SINCE OH (35)	STAMP AND SIGNATURE (37)	TOTAL LANDINGS (38)	TOTAL LANDINGS (39)	TOTAL LANDINGS WITH PENALTY FACTOR (40)	LANDINGS SINCE OH (41)	STAMP AND SIGNATURE (43)
			TOTAL LIFTS/CYCLES (33)	TOTAL LIFTS/CYCLES (34)	LIFTS/CYCLES SINCE OH (35)		TOTAL LIFTS/CYCLES (38)	TOTAL LIFTS/CYCLES (39)		LIFTS/CYCLES SINCE OH (41)	
PITCH CONTROL LEVER	366220A00732		3695.5	0.0	NEW	8.18.21					
						ERA					
	V455					U06290L					
M2 SCISSORS ATTACHMENT FLANGE	366220A00632		3695.5	4731.2	4731.2	8.18.21					
						ERA					
	V196					U06290L					
DAMPER BOLT	366220A01252		3695.5	0.0	NEW	5.20.21	4059.6	364.1		364.1	8-28-22
						ERA		469.			ERA
	AAC0120					U06290L					U06290L
DAMPER BOLT	366220A01252		3695.5	0.0	NEW	5.20.21	4059.6	364.1		364.1	8-28-22
						ERA		469.			ERA
	AABC177					U06290L					U06290L
DAMPER BOLT	366220A01252		3695.5	0.0	NEW	5.20.21					
						ERA					
	AAB0185					U06290L					
DAMPER BOLT	366220A01252		3695.5	0.0	NEW	5.20.21					
						ERA					
	AAB0188					U06290L					



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Section 2

ATA Chapter

COMPONENTS INSTALLED ON ASSY

ASSY P/N (26)			ASSY S/N (27)								
COMPONENT DATA			INSTALLATION				REMOVAL				
DESCRIPTION (28)	P/N (29)	MANUFACTURING DATE (31)	ASSY	COMPONENT			ASSY	COMPONENT			
	S/N (30)	RETIREMENT LIFE / TIME LIMITS (32)	TOTAL HOURS (33)	TOTAL HOURS (34)	TIME SINCE OH (35)	DATE (36)	TOTAL HOURS (38)	TOTAL HOURS (39)	TOTAL HOURS WITH PENALTY FACTOR (40)	TIME SINCE OH (41)	DATE (42)
			TOTAL LANDINGS (33)	TOTAL LANDINGS (34)	LANDINGS SINCE OH (35)	STAMP AND SIGNATURE (37)	TOTAL LANDINGS (38)	TOTAL LANDINGS (39)	TOTAL LANDINGS WITH PENALTY FACTOR (40)	LANDINGS SINCE OH (41)	STAMP AND SIGNATURE (43)
			TOTAL LIFTS/CYCLES (33)	TOTAL LIFTS/CYCLES (34)	LIFTS/CYCLES SINCE OH (35)		TOTAL LIFTS/CYCLES (38)	TOTAL LIFTS/CYCLES (39)		LIFTS/CYCLES SINCE OH (41)	
MAIN ROTOR DAMPER	366A0001353		3695.5	2520.5	1164	5.20.21					
						ERA					
	MC25278					UCC278OL					
DAMPER BOLT	366A00A01252		3695.5	354.6	354.6	4.21.21					
						ERA					
	AAB0916					UCC278OL					
MAIN ROTOR DAMPER	366A0001353		3695.5	4013.7	1469	6.29.21					
						ERA					
	MC25012					UCC278OL					
MAIN ROTOR DAMPER	366A0001353		3695.5	4068.7	4068.7	5.20.21					
						ERA					
	MC25574					UCC278OL					
MAIN ROTOR DAMPER	366A0001353		3695.5	1091.3	1091.3	5.20.21					
						ERA					
	MC25223					UCC278OL					
MAIN ROTOR DAMPER	366A0001353		3695.5	2227.5	2227.5	5.20.21					
						ERA					
	MC26448					UCC278OL					

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Section 2

ATA Chapter

COMPONENTS INSTALLED ON ASSY											
COMPONENT DATA			INSTALLATION				REMOVAL				
DESCRIPTION (28)	P/N (29)	MANUFACTURING DATE (31)	ASSY	COMPONENT			ASSY	COMPONENT			
	S/N (30)	RETIREMENT LIFE / TIME LIMITS (32)	TOTAL HOURS (33)	TOTAL HOURS (34)	TIME SINCE OH (35)	DATE (36)	TOTAL HOURS (38)	TOTAL HOURS (39)	TOTAL HOURS WITH PENALTY FACTOR (40)	TIME SINCE OH (41)	DATE (42)
			TOTAL LANDINGS (33)	TOTAL LANDINGS (34)	LANDINGS SINCE OH (35)	STAMP AND SIGNATURE (37)	TOTAL LANDINGS (38)	TOTAL LANDINGS (39)	TOTAL LANDINGS WITH PENALTY FACTOR (40)	LANDINGS SINCE OH (41)	STAMP AND SIGNATURE (43)
			TOTAL LIFTS/CYCLES (33)	TOTAL LIFTS/CYCLES (34)	LIFTS/CYCLES SINCE OH (35)		TOTAL LIFTS/CYCLES (38)	TOTAL LIFTS/CYCLES (39)		LIFTS/CYCLES SINCE OH (41)	
Dumper Bolt.	3G6220A01252		4059.6	0.0	0.0	8-28-22					
	AAC0897					Erc					
						WCA99L					
Dumper Bolt.	3G6220A01252		4059.6	0.0	0.0	8-28-22					
	AAC0899					Erc					
						WCA99L					

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Sezione 3

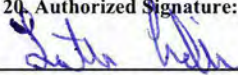
Chapter n°

Part n°

ACTIVITY RECORD

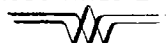
DATE (40)	ASSY TOTAL TIME (41)	TASK (42)	ACTIVITY (43)	DATE (44)	ORGANIZATION (45)	STAMP AND SIGNATURE (46)
9.7 2021	10-1 3695.5	INSPECT & REPAIR	INSPECTED & REPAIRED BY INST. 5 SERVICABLE MR DAMPERS PN: 366820V01353 SN: MCR 5223, MCR 5378, MCR 5374, MCR 6442 MCR 5012, 5 SERVICABLE MR LEVERS PN: 366820A00732 SN: V1343, V455, V676, V451, V452, 4 SERVICABLE OUTBOARD DAMPER BOLTS PN: 366820A00352 SN: PD40385 AAC 0120, AAB0185, AAB0177, AAB0128, 1 ea SERVICABLE INBOARD DAMPER BOLT PN: 366820L00351 SN: PD40385 & 1 ea SERVICABLE SUSSOVS FLANGE PN: 366820A00639 SN: V196 RETURNED TO SERVICABLE CONDITION. CWO- 036635-8021	9.7 2021	ERA	0062290L
LATE ENTRY 8.23.21	3695.5	INSPECTION	C/W 139 M/R HUB ASSY DI SN: R307 C/W 139 M/R HUB 240C142 INSP.	8.23.21	ERA	0062290L

AQ 12-04

1. Approving National Aviation Authority/Country: FAA / US		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: COM-023804-2021	
4. Organization Name and Address: Era Helicopters LLC, 600 Airport Service Road, Lake Charles LA 70606						5. Work order/Contract/Invoice Number: CWO-036635-2021	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	MAIN ROTOR HEAD ASSY (PRE BT139-341)	3G6220A00132	N/A	1	R340	See Block 13	
13. Remarks: Inspected and Repaired Main Rotor Head Assy. P/N 3G6220A00132 S/N R340 by Installing 5 Serviceable M/R Dampers P/N 3G6220V01353 S/Ns MCR 5223, MCR 5278, MCR 5574, MCR 6442 MCR 5012 5 ea. Serviceable M/R Levers P/N 3G6220A00732 S/NS V1343, V455, V676, V451, V452 4EA. Serviceable Outboard Damper bolts P/N 3G6220A01252 S/Ns AAC0120, AAB0185, AAB0177, AAB0188 1ea. Serviceable Inboard Damper bolt P/N 3G6220L00351 S/N PPM0385 and 1 ea. Serviceable Scissors Flange P/N 3G6220A00632 S/N V196 IAW AMP-39-A-22-00-00A-710A-B Returned Main Rotor to Serviceable condition.							
TSN:		TSO:		TSI:		0	
CSN:		CSO:		CSI:			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.				19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature:		16. Approval/ Authorization No.:		20. Authorized Signature:		21. Approval/ Certificate No.:	
				 		U0GR290L	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):	
				Lester L Ardoin		09/07/2021	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

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UNA SOCIETA' DI AGUSTA WESTLAND



LOG CARD

NOTICE: IF THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY PLEASE SEND THIS FORM UPDATED.

Sezione 1

Chapter n°

Part n°

DESCRIPTION MAIN ROTOR LAG DAMPER	P/N 3G6220V01352	S/N HCR 5223	MANUFACTURER NAME MECAER	ASSEMBLY DATE 18/10	RETIREMENT LIFE
	P/N 3G6220V01353	S/N MCR 5223	MANUFACTURER NAME MAI	DATE OF CHANGE APR 28 2020	RETIREMENT LIFE
	P/N	S/N	MANUFACTURER NAME	DATE OF CHANGE	RETIREMENT LIFE

NOTES

WHITE

ASSEMBLY HISTORICAL RECORD

INSTALLATION								REMOVAL						
DATE	A/C		ASSY			ORGANIZATION	STAMP AND SIGNATURE	DATE	A/C TOTAL TIME	ASSY		REASON OF REMOVAL	ORGANIZATION	STAMP AND SIGNATURE
	P. MARKS	N/C	TOTAL TIME	TOTAL TIME	TIME SNCE OH					TOTAL TIME	TIME SINCE OH			
13-13	XA-GSC	41023	889.3	00:00	NEW	Agusta	HBSH	08/03/15	1,118.3	229.0	NEW	LEAK	A.S.E.S.A	124/28
06/20/14	XA-GSC	41023	889.3	00:00	NEW	HAWKER BEECHERAFI D.G.A.C 253 MEXICO								
5-31-16	N388MD	41336	923.7	229.0	—	MSPAC	Stevens KIR287K	4-25-19	1786.0	1091.3	—	C/W BT139-452	7SER066E	03
4-17-22	811TA	41269	7035.1	1091.3	00:00	Era	USGHA29BL							

AGUSTA

UNA SOCIETA' D. AGUSTAWESTLA

**LOG CARD**

NOTICE: WHEN AN ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

Sezione 2

Chapter n°

Part n°

5223

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION	P/N	S/N	RETIREMENT LIFE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE
SLEEVE	M006-01H018-103	HCR 3147	/	00:00	00:00	NEW					
BODY END ASSY	M006-01H002-041	HCR 4439	/	00:00	00:00	NEW		1091.3	1091.3	—	P.P.
BLOCKING	M006-01H029-103	4236	/	00:00	00:00	NEW					
BODY	M006-01H032-103	HCR 4882	/	00:00	00:00	NEW					
PISTON-FLANGES ASSY	M006-01H012-045	HCR 11335	/	00:00	00:00	NEW		1091.3	1091.3	—	P.P.
EYE END ASSY	M006-01H004-045	HCR 1487	/	00:00	00:00	NEW		1091.3	1091.3	—	P.P.
PISTON FLANGE	M006-01H012-045R	2929	/	1091.3	2355.18	00:00	P.P.				
EYE END ASSY	M006-01H004-053	MCR1487RW	/	1091.3	1091.3	00:00	P.P.				
BODY END ASSY	M006-01H046-041	MCR07184	/	1091.3	00:00	00:00	P.P.				

AGUSTA

UNA SOCIETA' DI AGUSTAWESTLAND



LOG CARD

NOTICE: WHEN AN ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 3

Chapter n°

Part n°

ACTIVITY RECORD

DATE	ASSY TOTAL TIME	TASK	ACTIVITY	DATE	ORGANIZATION	STAMP AND SIGNATURE
23/3/16	229.0	LEAKING/BT139-44G	REPAIRED AND TESTED AS-PER CMM 62-21-06 4th ISSUE. REV 3. WORK REPORT 6105/2016. INSPECTED SERVICEABLE	25 MARS 2016	MAI	P.P. (21) [Signature]
APR 29 2020	1091.3	INSPECT AND RECERTIFY. UPGRADE TO PN 3GG22DV01353	REPAIRED. OVERHAULED. MODIFIED AND TESTED AS-PER CMM 62-21-06 4th ISSUE. REV 7. WORK REPORT 9842-2020. INSPECTED. SERVICEABLE	APR 29 2020	MAI	P.P. (21) [Signature]

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

BRISTOW 011679



Sezione 4

NOTICE: When this assembly is returned for any reason to an AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

Chapter n°

Part n°

MANDATORY DIRECTIVES

OPTIONAL DIRECTIVES

[illegible]

1. Approving Civil Aviation Authority Country

Transport Canada

2.

**AUTHORIZED RELEASE CERTIFICATE
FORM ONE**

3. Form tracking No.

58321

4. Organization Name and Address

MECAER AMERICA INC. 5555 WILLIAM-PRICE, LAVAL (QUEBEC), CANADA, H7L 6C4

5. Work Order / Contract / Invoice

PM: N/A

P.O. 4802170790/03

6. Item

7. Description

8. Part No.

9. Qty

10. Serial / Batch No.

11. Status / Work

10

MAIN ROTOR DAMPER

3G6220V01353 (M006-01H001- 1
011)

MCR5223

MODIFIED

12. Remarks

Certifies that work specified in blocks 11 and 12 was carried out in accordance with TCCA CAR571 and EASA part 145. With respect to that work, the aircraft component is released under EASA.145.7213 and TCCA AMO approval # 35-03

MODIFIED & OVERHAULED PER CMM 62-21-06 (4th Issue, Rev 7)

SEE ATTACHED WORK REPORT (#9842-2020) FOR DETAILS. REFER TO LOG CARD FOR STATUS OF LIFE LIMITED PARTS.

13a. Certifies that the items identified above were manufactured in conformity to:

14a.

☐

Approved design data and are in condition for safe operation.

☒

CAR 571.10 Maintenance release

☐

Non approved design data specified in block 12.

☒

Other regulation specified in block 12.

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations

13b. Signature

13c. Approved Organization. Number

14b. Signature

14c. Approved Organization. Number

TC 35-03

13d. Name

13e. Date (dd/mm/yyyy)

14d. Name

14e. Date (dd/mm/yyyy)

Patrick Packwood

29/Apr/2020

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in block 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

(Previously Form 24-0078)



MECAER AMERICA Inc.

5555 William-Price, Laval, Québec (Canada) H7L 6C4
Tel (450) 682-7117 Fax (514) 745-2420

Certificat de Conformité Certificate of Conformity

No: 58321

Livrer à / Shipped To: AW Philadelphia 3076 Red Lion Road Philadelphia, PA, 19114 U.S.A.	Vendu à / Sold To: AgustaWestland Philadelphia Corporation 3050, Red Lion Road Philadelphia, PA, 19114 U.S.A.	Bon de travail / Work order 600002771
		Mfr. Cage Code 3AK09

PO #	PO Item #	Sales Order #	SO Item #	Numéro de pièce Part Number	Qté Qty	Description	Rev	Numéro de série(s) Serial Number(s)	Internal Tracking Number	Deviations
4802170790/03	10	570002466	10	3G6220V01353 (M006-01H001-011)	1	MAIN ROTOR DAMPER	N/A	MCR5223	N/A	NONE

Validation du travail / Statements of work

MODIFIED & OVERHAULED PER CMM 62-21-06 (4th Issue, Rev 7)
ACCEPTANCE TEST REPORT AND AUTHORIZED RELEASE CERTIFICATE (TCCA FORM ONE) ATTACHED.

I certify that item(s) listed herein have been inspected and tested and conform to all specifications and requirements detailed in the contract or purchase order.

Je certifie que le(s) article(s) inscrits ci-contre ont été inspectés et mis à l'essai et qu'ils sont en tout point conforme aux spécifications et exigences du contrat ou du bon de commande.

Autorisé par / Authorized by: **Patrick Packwood**

Inspecteur / Inspector

Date: **29/Apr/2020**

Signature:

Étampe / Stamp:



**MECAER AMERICA Inc.****R & O - INCOMING INSPECTION / INSPECTION A LA RECEPTION****9842-2020**

P/N - # pièce:

Description:

3G6220V01352 (M006-01H001-009)

Damper

S/N - # série:

Customer -Client:

Purchase Order - BA: PO Item #

MCR5223

AgustaWestland Philadelphia

4802170790/03

10

Total hours - Hrs Totales: Landings- Atter. CSN - CDN: T.S.O. Hours - Hrs Remis à neuf: Manufacturer - Fabricant:

1091.3

Unknown

N/A

Mecaer Aviation Group Spa

Defect Declared by Customer - Défaut déclaré par le client:

INSPECT AND RECERTIFY. ALSO PLEASE UPGRADE TO P/N 3G6220V01353, AND REPLACE THE BODY END ASSEMBLY

Other Defect Noticed From Incoming Inspection - Autres défauts notés à la réception:

EYE-END DAMAGED, BOTH PORTS OPEN.

Serialized Parts List - Liste des pièces sérialisées**Pictures / Photos**

Part Number / Part Name:

SN:

M006-01H002-047 - Body End Assy

M006-01H002-045 - Body End Assy

M006-01H002-041 - Body End Assy

MCR4439

M006-01H004-047 - Eye End Assy

M006-01H004-045 - EYE END ASSY

MCR1487

M006-01H004-053 - Eye End Assy

M006-01H032-103 - Body

MCR4882

M006-01H018-103 - Sleeve

M006-01H012-045 - Piston & Flanges Assy

M006-01H012-045R - Piston & Flanges Assy (R

M006-01H029-103 - Blocking Ring

Check List receiving - Liste de vérification réception

Acc. Rej.

Comments - Commentaires

Log Card included (See PLT-120 appx) /
Historique inclus (Voir PLT-120 ann):☒ ☐Log Card correctly completed / Historique
rempli correctement:☒ ☐

PO included / BA inclus:

☒ ☐PO correlates with Log Card / BA coincide avec
dossier Historique:☒ ☐

Inspection Stamp / Estampille d'Inspection:

Ali Azzouz



Date:

3/31/2020



MECAER AMERICA inc.

R & O - WORK REPORT

No:	9842-2020	WORK ORDER	600002771				
CUSTOMER		AgustaWestland Philadelphia					
DESCRIPTION:		Damper					
P/N:	3G6220V01353 (M006-01H001-011)		S/N:	MCR5223			
TOTAL TIME:	1091.3	Landings	Unknown	C.S.N.	N/A	T.S.O.	00:00
REASON:							
INSPECT AND RECERTIFY. ALSO PLEASE UPGRADE TO P/N 3G6220V01353, AND REPLACE THE BODY END ASSEMBLY							
TECHNICAL BULLETINS AND AIRWORTHINESS DIRECTIVES COMPILED WITH							

MODIFICATIONS :

MODIFIED 3G6220V01352 TO 3G6220V01353 AS-PER CMM

MAINTENANCE OPERATIONS CARRIED OUT // NOTES :

Applicable NDT performed per CMM Requirements.

For parts replaced: See "Parts Issued on WO" document attached.

Repaired, modified, overhauled & tested as per CMM 62-21-06 (4th Issue, Rev 7)

Piston & Flanges Replaced

Body End Assy Replaced

Eye End Bearing Replaced

LOCATION	Mecaer America Inc.	SIGNATURE	Patrick Packwood	
DATE	2020-04-28			

MAI - Live

100

Transactions de stock par ordre -- PARTS ISSUED ON W.O.

Order Type	Order	Item	Description	Lot	Ser?	Serial Number	Certificate Code	Supplier Lot	Qty	UM	Type	Date	Whs	Exp.Date	Revision
Ordre de fabric	600002771	GBYIA10084T40	SLYDRING SEAL	17020063	Non				2.000	EA	Sortie	04/07/20	201	2037-12-12	
Ordre de fabric	600002771	M006-01H012-045R	PISTON-FLANGE ASSEMBLY	20040718	Oui	2929			1.000	EA	Sortie	04/22/20	201		V
Ordre de fabric	600002771	M006-01H028-107	SPHERICAL BEARING	20040180	Oui	14606			1.000	EA	Sortie	04/21/20	203		P
Ordre de fabric	600002771	M006-01H041-101	RELIEF VALVE SPRING	17020687	Non			32667	4.000	EA	Sortie	04/07/20	203		C
Ordre de fabric	600002771	M006-01H044-101	LEVEL INDICATOR CYLINDER	20030693	Non				1.000	EA	Sortie	04/07/20	203		H
Ordre de fabric	600002771	M008-01H046-041	BODY END ASSEMBLY	20040364	Oui	MCR07184			1.000	EA	Sortie	04/21/20	203		B
Ordre de fabric	600002771	M008-01H075-101	PIN	19060125	Non				6.000	EA	Sortie	04/07/20	203		B
Ordre de fabric	600002771	M006-01H081-101	NAMEPLATE	19050210	Non				1.000	EA	Sortie	04/07/20	203		A
Ordre de fabric	600002771	M83461/1-006	O-Ring Seal	17010285	Non				2.000	EA	Sortie	04/07/20	201	2029-12-31	
Ordre de fabric	600002771	MS24665-1012	Split Pin	17010062	Non				8.000	EA	Sortie	04/07/20	201		
Ordre de fabric	600002771	MS28778-2	O-RING SEAL	PM301377	Non			7850	2.000	EA	Sortie	04/07/20	201	2031-10-31	
Ordre de fabric	600002771	MS35275-228	SCREW	20020221	Non				10.000	EA	Sortie	04/07/20	201		
Ordre de fabric	600002771	PA81CM335AT19NG	WEDGEPAK SEAL	17020123	Non				1.000	EA	Sortie	04/07/20	201	2032-01-31	
Ordre de fabric	600002771	RA710M220AT19NG	WEDGEPAK	PM294966	Non			16355133-SI	1.000	EA	Sortie	04/07/20	201	2031-09-30	
Ordre de fabric	600002771	REYIAK0010NG	VL SEAL	PM303080	Non			16355675-SI	2.000	EA	Sortie	04/07/20	201	2031-03-31	
Ordre de fabric	600002771	RP550M213AT19NG	PLUS SEAL II	17020227	Non				1.000	EA	Sortie	04/07/20	201	2032-01-30	
Ordre de fabric	600002771	RR3G6220V01352	MAIN ROTOR LAG DAMPER	20040004	Oui	MCR5223			1.000	EA	Sortie	04/07/20	850		
Ordre de fabric	600002771	WE250B508AT19NG	EXCLUDER	17020487	Non				1.000	EA	Sortie	04/07/20	201	2031-06-30	

2020-04-28 13:48

1

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BRISTOW 011685

**MECAER AMERICA Inc.**ACCEPTANCE TEST
PROCEDURE
CMM 62-21-06
4th ISSUE 7th REV**ACCEPTANCE TEST REPORT****AW139
MAIN ROTOR LAG DAMPER****MECAER P/N: M006-01H001-011****AGUSTA P/N: 3G6220V01353****S/N : MCR5223****W/O : 600002771**

PAGE 101/109 PARA.	TEST PROCEDURES	UNIT	REQUIRED	MEASURE	CHECK
1.1	Ambient temperature	°C	15 to 35	21	5 PLT H&O
1.1	Initial visual inspection		Conformity	Conform	5 PLT H&O
1.2.1	Control of stroke Fully retracted position Fully extended position	mm mm	342.5 +/- 0.5 411.5 +/- 0.5	342.42 411.56	5 PLT H&O
1.2.7	Electrical bounding check	mΩ	<10	0.93	5 PLT H&O
1.2.2	Piston free movement		Conformity	Conform	5 PLT H&O
1.2.3	Reservoir proof pressure test 4.5 bar per 3 min.	bar	Conformity	Conform	5 PLT H&O
1.2.2	Load friction of piston: In compression In traction	daN daN	≤ 30 ≤ 30	13.40 15.60	5 PLT H&O
1.2.4	Pressure test of chambers 60 bar	cc/min	100 ÷ 1000	720	5 PLT H&O
1.2.4	Filling and bleeding		Conformity	Conform	5 PLT H&O
1.2.5	Performance verification Characteristic curves		Fig. 3 Conformity	Conform Conform	5 PLT H&O
1.2.6	External leakage		Conformity	Conform	5 PLT H&O
	Final visual inspection		Conformity	Conform	5 PLT H&O
PAGE 3 TABLE 1.0	Weight check	gr	5120 +/- 50	5118	5 PLT H&O
	Documentation: Acceptance Report Characteristic Curves Log Card				21 PLT

REMARKS:

DATE: APR/27/2020**STAMP:****PREPARED:****APPROVED:**

APR 29 2020



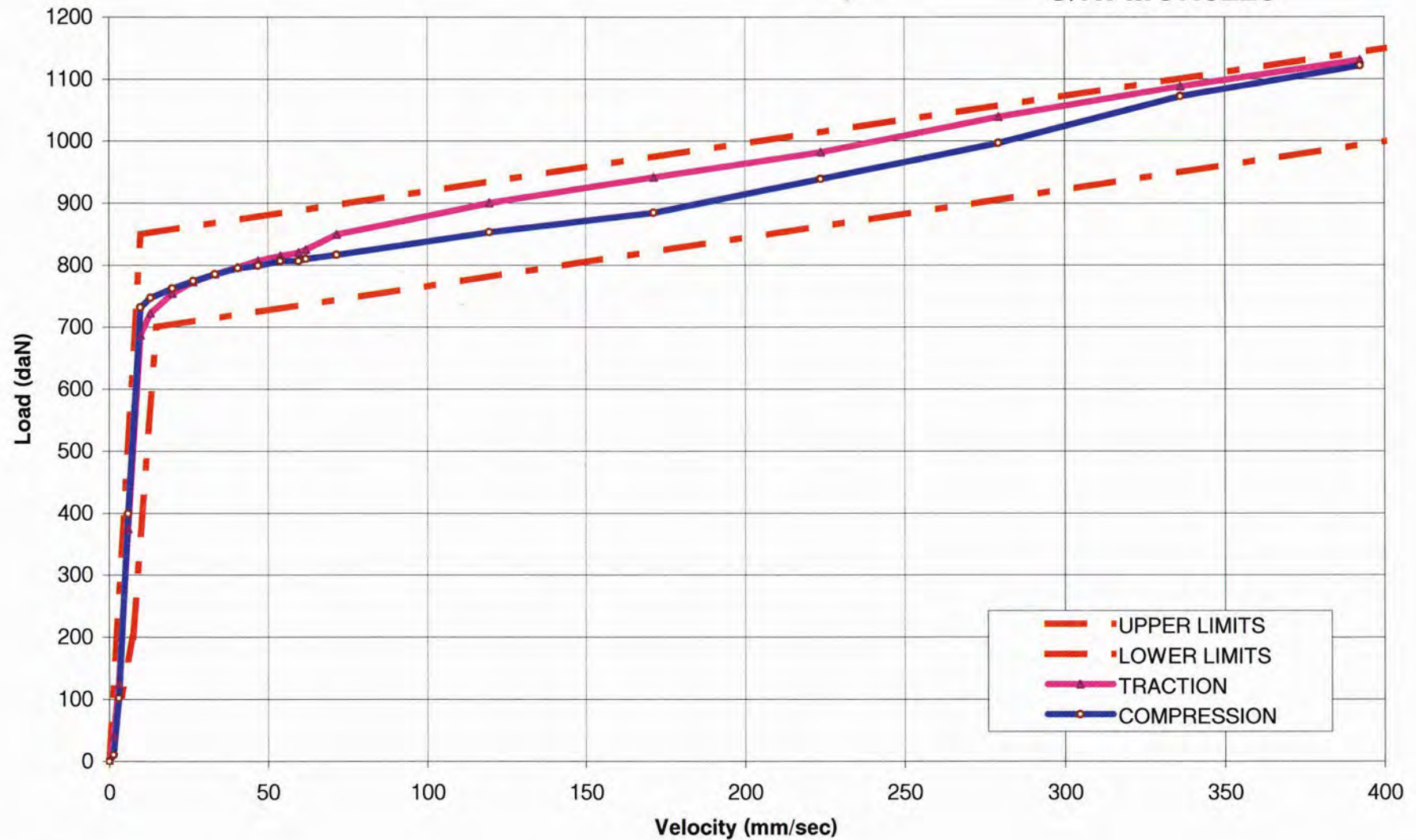
MECAER AMERICA Inc.

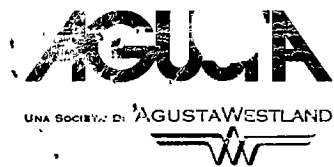


AW139 DAMPER

M006-01H001-011/3G6220V01353

S/N: MCR5223





LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

POT-25159

Section 1

Chapter n° 62

Part n°

DESCRIPTION (1) MAIN ROTOR LAG DAMPER	P/N (2) 3G6220V01352	S/N (3) MCR6442	MANUFACTURER NAME (4) MECAER	ASSEMBLY DATE (5) JUNE 12	RETIREMENT LIFE (6) 2400 OH
	P/N (7) 3G6220V01353	S/N (8) MCR6442	MANUFACTURER NAME (9) MECAER	DATE OF CHANGE (10) FEB 26 2017	RETIREMENT LIFE (11)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE (11)

NOTES (12)

ASSEMBLY HISTORICAL RECORD

INSTALLATION								REMOVAL						
DATE (13)	A/C			ASSY		ORGANIZATION (19)	STAMP AND SIGNATURE (20)	DATE (21)	A/C TOTAL TIME (22)	ASSY		REASON OF REMOVAL (25)	ORGANIZATION (26)	STAMP AND SIGNATURE (27)
	R. MARKS (14)	N/C (15)	TOTAL TIME (16)	TOTAL TIME (17)	TIME SINCE OH (18)					TOTAL TIME (23)	TIME SINCE OH (24)			
SEP. 12		31451	00.00	00.00	NEW	AW		23-12-14	350:50	350:50	-0-	Leakage	Regon, Romania	J. Sordy
09/03/15	N139CN	41014	5822.3	350.50	350.5	CHEV	Dms	05/09/16	10241.0	769.2	769.2	CLW BT139-450	CHEV	clz
06/30/16	N639MC	41250	3056.3	769.2	769.2	CHEV	clz	12/28/16	4007.2	1120.1	1120.1	CLW BT139-452 pt. 2	CHEV	Dms
30 Jan 2018	94-TRC	41394	3760:16	1120.1	—	BCL	clz/10	12-7-19	5465.2	2227.5	2227.5	Bearing worn	Bristow	clz
4-7-22	811TA	41269	7035.1	2227.5	00:00	Era	MECAER							



LOG CARD

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REF. P/N: 3G6220V01352 S/N: MCR6442

Section 2

Chapter n° 62
Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
BODY	M006-01H032-103	MCR5948	///	00.00	00.00	NEW		1120.1	1120.1	-	
SLEEVE	M006-01H018-103	MCR4973	///	00.00	00.00	NEW					
PISTON FLANGE ASSY	M006-01H012-045	MCR11728	///	00.00	00.00	NEW					
EYE END ASSY	M006-01H004-045	MCR4889	///	00.00	00.00	NEW		1120.1	1120.1	-	
BODY END ASSY	M006-01H002-041	MCR6898	///	00.00	00.00	NEW		350.50	350.50	350.50	P.P.
BLOCKING RING	M006-01H029-103	MCR6333	///	00.00	00.00	NEW		350.50	350.50	350.50	P.P.
BODY END ASSY	M006-01H002-041	MCR6898	/	350.50	350.50	00:00	P.P.	1120.1	1120.1	769.6	
BLOCKING RING	M006-01H029-103	MCR10687	/	350.50	00:00	00:00		1120.1	769.6	-	
EYE END ASSY	M006-01H004-053	MCR4889	/	1120.1	1120.1	00:00		2227.5	1107.4	—	P.P.
Blocking Ring	M006-01H029-103	MCR13571	/	1120.1	00:00	—		2227.5	1107.4	—	P.P.
Body	M006-01H032-103	MCR13633	/	1120.1	00:00	—		2227.5	1107.4	—	P.P.
Body END ASSY	M006-01H046-011	MCR00131	/	1120.1	00:00	—		2227.5	1107.4	—	P.P.

PN.3G6220V01353

SN.MCR6442



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Sezione 2/A

Chapter n°

Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP TOTAL TIME (33)	COMP TIME SINCE ON (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP TOTAL TIME (37)	COMP TIME SINCE ON (38)	STAMP AND SIGNATURE (39)
EYE END ASSY	M006-01H004-053	MCR19925	/	2227.5	00:00	00:00	P.P. 				
Blocking Ring	M006-01H029-103	MCR17624	/	2227.5	00:00	00:00	 P.P.				
BODY	M006-01H032-103	MCR17810	/	2227.5	00:00	00:00	P.P. 				
BODY END ASSY	M006-01H046-041	MCR07629	/	2227.5	00:00	00:00	 P.P.				

Rev. 3

AQ 12-04



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Section 3

Chapter n°
Part n°

ACTIVITY RECORD

DATE (40)	ASSY TOTAL TIME (41)	TASK (42)	ACTIVITY (43)	DATE (44)	ORGANIZATION (45)	STAMP AND SIGNATURE (46)
22 JUNE 15	350.50	LEAKING	ALL SEALS REPLACED. REPAIRED AND TESTED AS PER CMM 62-21-06 4th ISSUE. REV 2. INSPECTED. SERVICEABLE	22 JUNE 15	MAI	P.P. (21 PLT)
5-8-16	769.2	C/W BT 139-450 part 1	Complied with BT 139-450 part. No defects found. see 40 CO 4765-1	5/8/16	AC2R685K	man test
Feb 1 2017	1120.1	Modify to 366220V01353	All seals replaced. Repaired, modified and tested as per CMM 62-21-06 4th issue, Rev. 6. Inspected, serviceable	—	—	—
—	—	—	SEE WORK REPORT # 7162/2017	FEB 26 2017	MAI	(36 PLT)
3/15/19	1759.6	C/W 4yr, 100hr + 50 hr. insp. of Damper	C/W 4yr, 100hr, 50 hr insp. of Damper IAW AW139 IETP manual.	3/15/19	Bristow U.S.	(Signature)
MAY 25 2020	2227.5	REPAIR. OVERHAUL.	REPAIRED. OVERHAUL. TESTED AS PER CMM 62-21-06 4th ISSUE. REV 7. WORK REPORT # 833-2020 INSPECTED. SERVICEABLE	MAY 25 2020	MAI	(21 PLT) P.P.



LOG CARD

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Section 4

Chapter n° 62
Part n°

DIRECTIVES COMPLIANCE

MANDATORY DIRECTIVES

OPTIONAL DIRECTIVES

DIRECTIVE NUMBER (47)	ISSUE (48)	DATE OF COMPLIANCE (49)	ORGANIZATION (50)	STAMP SIGNATURE (51)	DIRECTIVE NUMBER (47)	ISSUE (48)	DATE OF COMPLIANCE (49)	ORGANIZATION (50)	STAMP SIGNATURE (51)
BT139-446	Feb 12, 2016	Feb 17, 2016	Cherxon AC2R685K	J. Hauptmann					
BT139-450	Apr 20, 2016	5-8-2016	Cherxon AC2R685K	[Signature]					
BT139-450 REV B	-	FEB 26 2017	MAI	(36 PLT)					
BT139-410		Aug 3, 2020	Era Helicopters	UOGA290L [Signature]					
BT139-187		Aug 3, 2020	Era Helicopters	UOGA290L [Signature]					
BT139-450	C	Aug 3, 2020	Era Helicopters	UOGA290L [Signature]					
AD2021-23-22 N/A BY P/N UOGA290L									

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

BRISTOW 011692

NOMENCLATURE M/R lag damper
OWNER _____



P/N 3G6220V01353

S/N MCR 6442

Page _____ of _____

HISTORY OF INSPECTION, OVERHAUL, REPAIR AND APPLICATION OF TECHNICAL BULLETIN, SERVICE BULLETIN, AIRWORTHINESS DIRECTIVES, ETC.

[illegible]

BCL/OPS/016

ISSUE DATE: AUG 2004

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

BRISTOW 011693

OWNER _____



P/N _____

S/N _____

Page _____ **of** _____

[illegible]

ISSUE DATE: AUG 2004

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

BRISTOW 011694

1. Approving Civil Aviation Authority Country

Transport Canada

2.

**AUTHORIZED RELEASE CERTIFICATE
FORM ONE**

3. Form tracking No.

58517

4. Organization Name and Address

MECAER AMERICA INC. 5555 WILLIAM-PRICE, LAVAL (QUEBEC), CANADA, H7L 6C4

5. Work Order / Contract / Invoice

PM: N/A

P.O. 4802170830/03

6. Item

7. Description

8. Part No.

9. Qty

10. Serial / Batch No.

11. Status / Work

40

MAIN ROTOR DAMPER

3G6220V01353 (M006-01H001- 1
011)

MCR6442

OVERHAULED

12. Remarks

Certifies that work specified in blocks 11 and 12 was carried out in accordance with TCCA CAR571 and EASA part 145. With respect to that work, the aircraft component is released under EASA.145.7213 and TCCA AMO approval # 35-03

OVERHAULED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)

SEE ATTACHED WORK REPORT (#9833-2020) FOR DETAILS. REFER TO LOG CARD FOR STATUS OF LIFE LIMITED PARTS.

13a. Certifies that the items identified above were manufactured in conformity to:

☐

Approved design data and are in condition for safe operation.

☐

Non approved design data specified in block 12.

14a.

☒

CAR 571.10 Maintenance release

☒

Other regulation specified in block 12.

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations

13b. Signature

13c. Approved Organization. Number

14b. Signature



14c. Approved Organization. Number

TC 35-03

13d. Name

13e. Date (dd/mmm/yyyy)

14d. Name

Patrick Packwood

14e. Date (dd/mmm/yyyy)

25/May/2020

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in block 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

(Previously Form 24-0078)



MECAER AMERICA Inc.

5555 William-Price, Laval, Québec (Canada) H7L 6C4

Tel (450) 682-7117 Fax (514) 745-2420

Certificat de Conformité Certificate of Conformity

No: 58517

Livrer à / Shipped To:	Vendu à / Sold To:	Bon de travail / Work order
AW Philadelphia 3076 Red Lion Road Philadelphia, PA, 19114 U.S.A.	AgustaWestland Philadelphia Corporation 3050, Red Lion Road Philadelphia, PA, 19114 U.S.A.	600002844
		Mfr. Cage Code 3AK09

PO #	PO Item #	Sales Order #	SO Item #	Numéro de pièce Part Number	Qté Qty	Description	Rev	Numéro de série(s) Serial Number(s)	Internal Tracking Number	Deviations
4802170830/03	40	570002537	10	3G6220V01353 (M006-01H001-011)	1	MAIN ROTOR DAMPER	N/A	MCR6442	N/A	NONE

Validation du travail / Statements of work

OVERHAULED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)

ACCEPTANCE TEST REPORT AND AUTHORIZED RELEASE CERTIFICATE (TCCA FORM ONE) ATTACHED.

I certify that item(s) listed herein have been inspected and tested and conform to all specifications and requirements detailed in the contract or purchase order.

Je certifie que le(s) article(s) inscrits ci-contre ont été inspectés et mis à l'essai et qu'ils sont en tout point conforme aux spécifications et exigences du contrat ou du bon de commande.

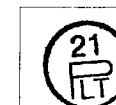
Autorisé par / Authorized by: **Patrick Packwood**

Inspecteur / Inspector

Date: **25/May/2020**

Signature:

Étampe / Stamp:



**MECAER AMERICA Inc.****R & O - INCOMING INSPECTION / INSPECTION A LA RECEPTION****9833-2020**

P/N - # pièce:

Description:

3G6220V01353 (M006-01H001-011)

Main Rotor Damper

S/N - # série:

Customer -Client:

Purchase Order - BA: PO Item #

MCR6442

AgustaWestland Philadelphia

4802170830/03

40

Total hours - Hrs Totales: Landings- Atter. CSN - CDN: T.S.O. Hours - Hrs Remis à neuf: Manufacturer - Fabricant:

2227.5

Unknown

N/A

Mecaer Aviation Group Spa

Defect Declared by Customer - Défaut déclaré par le client:

Bearing worn - repair, overhaul, and recertify. Also please replace body-end assembly.

Other Defect Noticed From Incoming Inspection - Autres défauts notés à la réception:

coating damaged on eye-end bearing

Serialized Parts List - Liste des pièces sérialisées**Pictures / Photos**

Part Number / Part Name:	SN:
M006-01H004-053 - Eye End Assy	MCR4889RW
M006-01H046-041 - Body End Assy	MCR00131
M006-01H032-103 - Body	MCR13633
M006-01H012-045 - Piston & Flanges Assy	
M006-01H012-045R - Piston & Flanges Assy (R	
M006-01H029-103 - Blocking Ring	
M006-01H018-103 - Sleeve	

Check List receiving - Liste de vérification réception

Log Card included (See PLT-120 appx) / Historique inclus (Voir PLT-120 ann):	☒	☐
Log Card correctly completed / Historique rempli correctement:	☐	☒
PO included / BA inclus:	☒	☐
PO correlates with Log Card / BA coincide avec dossier Historique:	☒	☐

Acc. Rej.

Comments - Commentaires

EYE END SN ON LOG CARD : MCR4889

Inspection Stamp / Estampille d'Inspection:

Ali Azzouz



Date:

3/31/2020

PLT-120 (Mar 2017)



MECAER AMERICA inc.

R & O - WORK REPORT

No:	9833-2020	WORK ORDER	600002844				
CUSTOMER		AgustaWestland Philadelphia					
DESCRIPTION:		Main Rotor Damper					
P/N:	3G6220V01353 (M006-01H001-011)		S/N:	MCR6442			
TOTAL TIME:	2227.5	Landings	Unknown	C.S.N.	N/A	T.S.O.	00:00
REASON:							
Bearing worn - repair, overhaul, and recertify. Also please replace body-end assembly.							
TECHNICAL BULLETINS AND AIRWORTHINESS DIRECTIVES COMPILED WITH							

MODIFICATIONS :

MAINTENANCE OPERATIONS CARRIED OUT // NOTES :

Applicable NDT performed per CMM Requirements.

For parts replaced: See "Parts Issued on WO" document attached.

Repaired, overhauled & tested as per CMM 62-21-06 (4th Issue, Rev 7)

Body replaced

Blocking Ring Replaced

Body End Assy Replaced

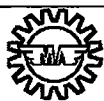
Eye End Assy Replaced

LOCATION	Mecaer America Inc.	SIGNATURE	Patrick Packwood	
DATE	2020-05-22			

MAI - Live		100	Transactions de stock par ordre		--	PARTS ISSUED ON W.O.									
Order Type	Order	Item	Description	Lot	Ser?	Serial Number	Certificate Code	Supplier Lot	Qty	UM	Type	Date	Whs	Exp.Date	Revision
Ordre de fabric	600002844	AS5169W02L	PLUG	20050073	Non				2.000	EA	Sortie	05/15/20	201		
Ordre de fabric	600002844	GBYIA10084T40	SLYDRING SEAL	17020066	Non				2.000	EA	Sortie	05/14/20	201	2037-12-12	
Ordre de fabric	600002844	M006-01H004-053	EYE END ASSEMBLY	20050296	Oui	MCR19925			1.000	EA	Sortie	05/14/20	203		AD
Ordre de fabric	600002844	M006-01H029-103	BLOCKING RING	20030696	Oui	MCR17624			1.000	EA	Sortie	05/14/20	203		F
Ordre de fabric	600002844	M006-01H032-103-DDA0086	BODY DDA0086	20050404	Oui	MCR17810			1.000	EA	Sortie	05/14/20	203		N
Ordre de fabric	600002844	M006-01H036-105	PISTON GUIDE RESERVOIR	20040092	Non				1.000	EA	Sortie	05/15/20	203		H
Ordre de fabric	600002844	M006-01H041-101	RELIEF VALVE SPRING	17020687	Non			32667	4.000	EA	Sortie	05/14/20	203		C
Ordre de fabric	600002844	M006-01H044-101	LEVEL INDICATOR CYLINDER	20030693	Non				1.000	EA	Sortie	05/14/20	203		H
Ordre de fabric	600002844	M006-01H046-041	BODY END ASSEMBLY	20040956	Oui	MCR07629			1.000	EA	Sortie	05/14/20	203		B
Ordre de fabric	600002844	M006-01H075-101	PIN	19060125	Non				2.000	EA	Sortie	05/14/20	203		B
Ordre de fabric	600002844	M83461/1-006	O-Ring Seal	17010285	Non				2.000	EA	Sortie	05/14/20	201	2029-12-31	
Ordre de fabric	600002844	MS24665-1012	Split Pin	17010062	Non				8.000	EA	Sortie	05/14/20	201		
Ordre de fabric	600002844	MS28776-2	O-RING SEAL	PM301377	Non			7850	2.000	EA	Sortie	05/14/20	201	2031-10-31	
Ordre de fabric	600002844	MS35275-228	SCREW	20020221	Non				10.000	EA	Sortie	05/14/20	201		
Ordre de fabric	600002844	PA81CM335AT19NG	WEDGEPACK SEAL	17020123	Non				1.000	EA	Sortie	05/14/20	201	2032-01-31	
Ordre de fabric	600002844	RA710M220AT19NG	WEDGEPACK	PM294966	Non			16355133-SI	1.000	EA	Sortie	05/14/20	201	2031-09-30	
Ordre de fabric	600002844	REM006-01H046-101	BODY END	20050547	Oui	MCR00131			1.000	EA	Réception	05/15/20	850		
Ordre de fabric	600002844	REM006-01H046-101	BODY END	20050547	Oui	MCR00131			1.000	EA	Réception	05/15/20	850		
Ordre de fabric	600002844	REM006-01H046-101	BODY END	20050547	Oui	MCR00131			1.000	EA	Sortie	05/15/20	850		
Ordre de fabric	600002844	REYIAK0010NG	VL SEAL	PM303080	Non			16355675-SI	2.000	EA	Sortie	05/14/20	201	2031-03-31	
Ordre de fabric	600002844	REYIAK0010NG	VL SEAL	PM303080	Non			16355675-SI	1.000	EA	Sortie	05/15/20	201	2031-03-31	
Ordre de fabric	600002844	RP550M213AT19NG	PLUS SEAL II	17020227	Non				1.000	EA	Sortie	05/14/20	201	2032-01-30	
Ordre de fabric	600002844	RR3G6220V01353	MAIN ROTOR LAG DAMPER	20040012	Oui	MCR8442			1.000	EA	Sortie	05/14/20	850		
Ordre de fabric	600002844	RRM006-01H004-105	EYE END	20050548	Oui	MCR4889RWW			1.000	EA	Réception	05/15/20	850		
Ordre de fabric	600002844	RRM006-01H004-105	EYE END	20050548	Oui	MCR4889RWW			1.000	EA	Réception	05/15/20	850		
Ordre de fabric	600002844	RRM006-01H004-105	EYE END	20050548	Oui	MCR4889RWW			1.000	EA	Sortie	05/15/20	850		
Ordre de fabric	600002844	WE250B508AT19NG	EXCLUDER	17020487	Non				1.000	EA	Sortie	05/14/20	201	2031-06-30	

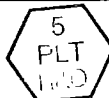
2020-05-22 13:56

1

**MECAER AMERICA Inc.**ACCEPTANCE TEST
PROCEDURE
CMM 62-21-06
4th ISSUE 7th REV**ACCEPTANCE TEST REPORT****AW139
MAIN ROTOR LAG DAMPER****MECAER P/N: M006-01H001-011
AGUSTA P/N: 3G6220V01353****S/N : MCR6442****W/O : 600002844**

PAGE 101/109 PARA.	TEST PROCEDURES	UNIT	REQUIRED	MEASURE	CHECK
1.1	Ambient temperature	°C	15 to 35	21	5 PLT 100
1.1	Initial visual inspection		Conformity	Conform	5 PLT 100
1.2.1	Control of stroke Fully retracted position Fully extended position	mm mm	342.5 +/- 0.5 411.5 +/- 0.5	342.42 411.66	5 PLT 100
1.2.7	Electrical bounding check	mΩ	<10	0.89	5 PLT 100
1.2.2	Piston free movement		Conformity	Conform	5 PLT 100
1.2.3	Reservoir proof pressure test 4.5 bar per 3 min.	bar	Conformity	Conform	5 PLT 100
1.2.2	Load friction of piston: In compression In traction	daN daN	≤ 30 ≤ 30	15.45 17.05	5 PLT 100
1.2.4	Pressure test of chambers 60 bar	cc/min	100 ÷ 1000	680	5 PLT 100
1.2.4	Filling and bleeding		Conformity	Conform	5 PLT 100
1.2.5	Performance verification Characteristic curves		Fig. 3 Conformity	Conform Conform	5 PLT 100
1.2.6	External leakage		Conformity	Conform	5 PLT 100
	Final visual inspection		Conformity	Conform	5 PLT 100
PAGE 3 TABLE 1.0	Weight check	gr	5120 +/- 50	5118	5 PLT 100
	Documentation: Acceptance Report Characteristic Curves Log Card			✓ ✓ ✓	21 PLT

REMARKS:

DATE: MAY/19/2020**STAMP:****PREPARED:****APPROVED:**



MECAER AMERICA Inc.

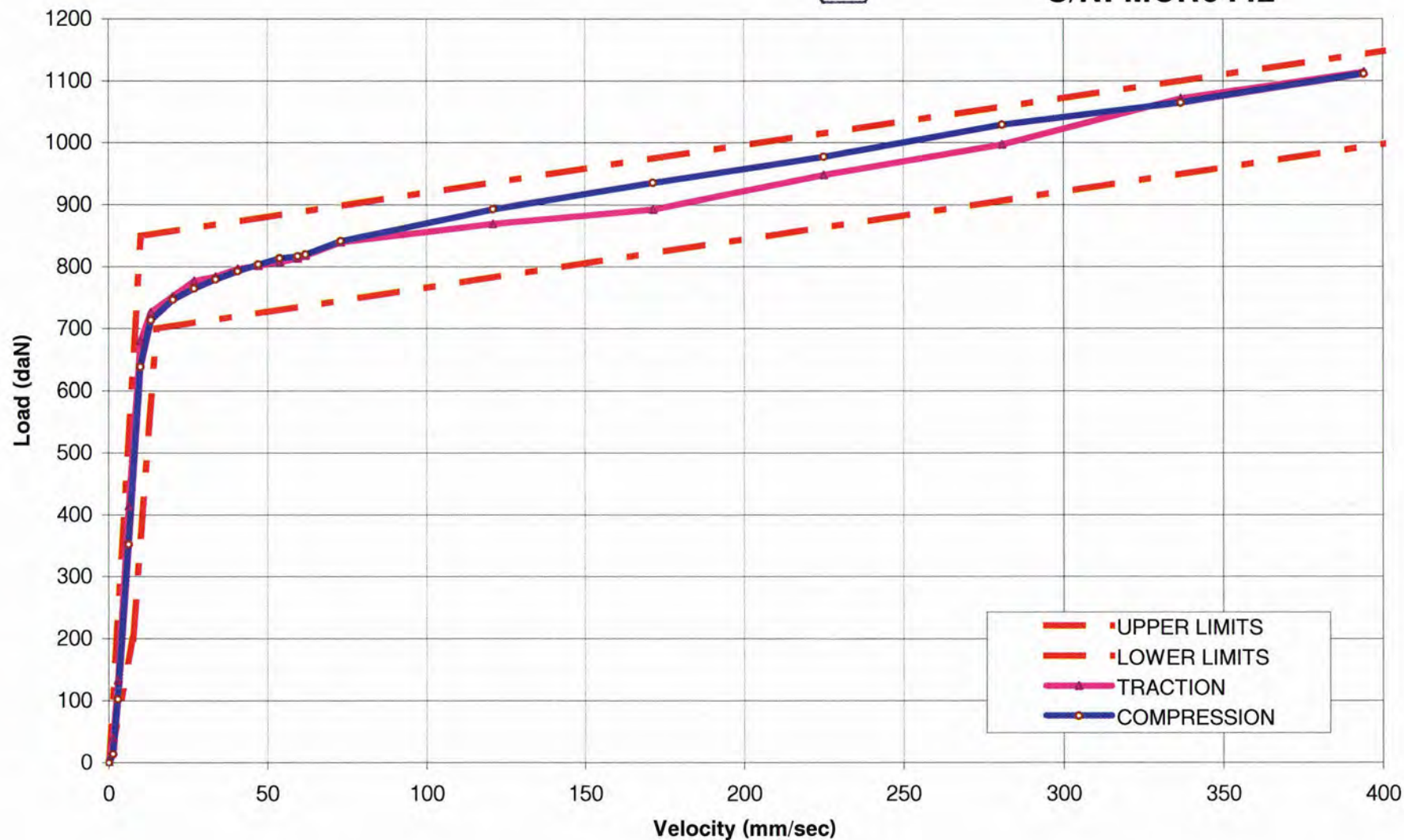
MAY 25 2020

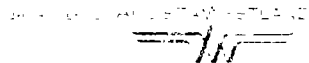


AW139 DAMPER

M006-01H001-011/3G6220V01353

S/N: MCR6442



AGUSTA


RST-25492

LOG CARD

Sezione 1

Chapter n°

Part n°

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

DESCRIPTION MAIN ROTOR LAG DAMPER	P/N 3G6220V01352	S/N MCR 5574	MANUFACTURER NAME MECAER	ASSEMBLY DATE 30-06-2011	RETIREMENT LIFE 2600 FH OH
	P/N 3G6220V01353	S/N MCR 5574	MANUFACTURER NAME MAI	DATE OF CHANGE DEC 16 2019	RETIREMENT LIFE
	P/N	S/N	MANUFACTURER NAME	DATE OF CHANGE	RETIREMENT LIFE

NOTES

ASSEMBLY HISTORICAL RECORD

INSTALLATION							REMOVAL						
DATE	A/C		ASSY		ORGANIZATION	STAMP AND SIGNATURE	DATE	A/C TOTAL TIME	ASSY		REASON OF REMOVAL	ORGANIZATION	STAMP AND SIGNATURE
	Part Number	VC	TOTAL TIME	TOTAL TIME					TIME SINCE O.I	TOTAL TIME			
7/15/11	N922AH		1168.46	00:00	NEW	Aramco	04/09/13	2903:10	1134:24	-	Leaking	Aramco	F.A
JUL 25 2013	N926AH	31290	2614:47	1734:24	1734:24	ABUDHABI AVIATION	3/19/14	3204:09	2323:46	2323+ NEW	overhaul	ARAMCO	F.A
19-10-15	SM-BST	31380	3654:01	2303:46	00200	CAVERTON HELICOPTERS	28-04-16	4216:24	2886:09	562:23	LEAKING	CAVERTON HELICOPTERS	CAVERTON HELICOPTERS
04/25/17	N139CW	31020	7997.2	2886.1	562.6	CHEV	09/17/18	8583.0	3471.9	1148.4	w/assy S/N m44 DUE	CHEV	DMS
09/26/18	N639CG	41308	4670.0	3471.9	1148.4	CHEV	06/12/19	5266.8	4068.7	1745.2	ASB139-452-B	CHEV	DMS
4/17-22	811TA	41269	7035.1	4068.7	00:00	Eva	WGA2901						

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

BRISTOW 011702

AGUSTA

UNA SOCIETÀ DI AGUSTA WESTLAND



LOG CARD

NOTICE: WHEN THIS FORM IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 2

Chapter n°

Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION	P/N	S/N	RETIREMENT LIFE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE
SLEEVE	M006-01H016-103	MCR 3913	/	00:00	00:00	NEW					
BODY END ASSY	M006-01H002-041	MCR 5217	/	00:00	00:00	NEW		2323:46	2323:46	/	
BLOCKING	M006-01H029-103	MCR 5316	/	00:00	00:00	NEW		2323:46	2323:46	/	
BODY	M006-01H032-103	MCR 5159	/	00:00	00:00	NEW		1734:24	1734:24	1734:24	
PISTON-FLANGES ASSY	M006-01H012-045	MCR 10425	/	00:00	00:00	NEW					
EYE END ASSY	M006-01H004-045	MCR 2417	/	00:00	00:00	NEW		1734:24	1734:24	1734:24	
EYE END ASSY	M006-01H004-045	MCR 5544	/	1734:24	00:00	00:00		2886:09	1151:45	/	
Body	M006-01H032-103	MCR 7219	/	1734:24	00:00	00:00		2323:46	589:22	/	
BODY END ASSY	M006-01H002-041	MCR 12683		2323:46	00:00	NEW		2886:09	562:23	/	
BLOCKING RING	M006-01H029-103	MCR 11756		2323:46	00:00	NEW		4068.7	1745.24	/	
BODY	M006-01H032-103	MCR 12110		2323:46	00:00	NEW		4068.7	1745.24	/	
Eye End Assy	M006-01H004-045	561 RW		2886:09	528:21	00:00		4068.7	1710.82	—	

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

BRISTOW 011703

AQ 12-04



NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

PN-3GG220V01353 ~~346220401352~~ s/a nca 5574

Sezione 2/A

Chapter n°

Part n°7.....

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

[illegible]



Part n°

AO 12-04



... ..

THESE FORMS ARE AVAILABLE

Chapter n°

Part n°

AC 12-04

1. Approving Civil Aviation Authority Country

Transport Canada

2.

**AUTHORIZED RELEASE CERTIFICATE
FORM ONE**

3. Form tracking No.

57289

4. Organization Name and Address

MECAER AMERICA INC. 5555 WILLIAM-PRICE, LAVAL (QUEBEC), CANADA, H7L 6C4

5. Work Order / Contract / Invoice

PM: N/A

P.O. 4802072307/03

6. Item

7. Description

8. Part No.

9. Qty

10. Serial / Batch No.

11. Status / Work

10

MAIN ROTOR DAMPER

3G6220V01353 (M006-01H001- 1
011)

MCR5574

MODIFIED

12. Remarks

Certifies that work specified in blocks 11 and 12 was carried out in accordance with TCCA CAR571 and EASA part 145. With respect to that work, the aircraft component is released under EASA.145.7213 and TCCA AMO approval # 35-03

MODIFIED, OVERHAULED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)

SEE ATTACHED WORK REPORT (#9376-2019) FOR DETAILS. REFER TO LOG CARD FOR STATUS OF LIFE LIMITED PARTS.

13a. Certifies that the items identified above were manufactured in conformity to:

14a.

☐

Approved design data and are in condition for safe operation.

☐

Non approved design data specified in block 12.

☒

CAR 571.10 Maintenance release

☒

Other regulation specified in block 12.

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations

13b. Signature

13c. Approved Organization. Number

14b. Signature

14c. Approved Organization. Number

TC 35-03

13d. Name

13e. Date (dd/mmm/yyyy)

14d. Name

14e. Date (dd/mmm/yyyy)

Patrick Packwood

16/Dec/2019

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in block 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

(Previously Form 24-0078)



MECAER AMERICA Inc.

5555 William-Price, Laval, Québec (Canada) H7L 6C4
Tel (450) 682-7117 Fax (514) 745-2420

Certificat de Conformité Certificate of Conformity

No: 57289

Livrer à / Shipped To:	Vendu à / Sold To:	Bon de travail / Work order
AW Philadelphia 3076 Red Lion Road Philadelphia, PA, 19114 U.S.A.	AgustaWestland Philadelphia Corporation 3050, Red Lion Road Philadelphia, PA, 19114 U.S.A.	600002480
		Mfr. Cage Code 3AK09

PO #	PO Item #	Sales Order #	SO Item #	Numéro de pièce Part Number	Qté Qty	Description	Rev	Numéro de série(s) Serial Number(s)	Internal Tracking Number	Deviations
4802072307/03	10	570002185	10	3G6220V01353 (M006-01H001-011)	1	MAIN ROTOR DAMPER	N/A	MCR5574	N/A	NONE

Validation du travail / Statements of work

MODIFIED, OVERHAULED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)
ACCEPTANCE TEST REPORT AND AUTHORIZED RELEASE CERTIFICATE (TCCA FORM ONE) ATTACHED.

I certify that item(s) listed herein have been inspected and tested and conform to all specifications and requirements detailed in the contract or purchase order.

Je certifie que le(s) article(s) inscrits ci-contre ont été inspectés et mis à l'essai et qu'ils sont en tout point conforme aux spécifications et exigences du contrat ou du bon de commande.

Autorisé par / Authorized by: Patrick Packwood

Inspecteur / Inspector

Date: 16/Dec/2019

Signature:

Étampe / Stamp:





R & O - INCOMING INSPECTION / INSPECTION A LA RECEPTION

9376-2019

P/N - # pièce:

Description:

3G6220V01352 (M006-01H001-009)

Damper

S/N - # série:

Customer -Client:

Purchase Order - BA: PO Item #

MCR5574

AgustaWestland Philadelphia

4802072307/03

10

Total hours - Hrs Totales: Landings- Atter. CSN - CDN: T.S.O. Hours - Hrs Remis à neuf: Manufacturer - Fabricant:

4068.7

Unknown

N/A

1745.24

Mecaer Aviation Group Spa

Defect Declared by Customer - Défaut déclaré par le client:

Remove due to BT139-452. Replace Body End and upgrade from 3G6220V01352 to 3G6220V01353

Other Defect Noticed From Incoming Inspection - Autres défauts notés à la réception:

Body End ceramic bearing chipped

Serialized Parts List - Liste des pièces sérialisées

Pictures / Photos

Part Number / Part Name:

SN:

M006-01H002-047 - Body End Assy

MCR16088

M006-01H002-045 - Body End Assy

M006-01H002-041 - Body End Assy

M006-01H004-047 - Eye End Assy

M006-01H004-045 - EYE END ASSY

561RW

M006-01H004-053 - Eye End Assy

M006-01H032-103 - Body

MCR12110

M006-01H018-103 - Sleeve

M006-01H012-045 - Piston & Flanges Assy

M006-01H012-045R - Piston & Flanges Assy (R

M006-01H029-103 - Blocking Ring

Check List receiving - Liste de vérification réception

Acc. Rej.

Comments - Commentaires

Log Card included (See PLT-120 appx) /
Historique inclus (Voir PLT-120 ann):

☒ ☐

Log Card correctly completed / Historique
rempli correctement:

☒ ☐

PO included / BA inclus:

☒ ☐

PO correlates with Log Card / BA coincide avec
dossier Historique:

☒ ☐

Inspection Stamp / Estampille d'Inspection:

Guillaume Comtois



Date:

9/16/2019



MECAER AMERICA inc.

R & O - WORK REPORT

No:	9376-2019	WORK ORDER	600002480				
CUSTOMER		AgustaWestland Philadelphia					
DESCRIPTION:		Damper					
P/N:	3G6220V01353 (M006-01H001-011)		S/N:	MCR5574			
TOTAL TIME:	4068.7	Landings	Unknown	C.S.N.	N/A	T.S.O.	00:00
REASON:							
Remove due to BT139-452. Replace Body End and upgrade from 3G6220V01352 to 3G6220V01353							
TECHNICAL BULLETINS AND AIRWORTHINESS DIRECTIVES COMPILED WITH							

MODIFICATIONS :

MODIFIED 3G6220V01352 TO 3G6220V01353 AS-PER CMM

MAINTENANCE OPERATIONS CARRIED OUT // NOTES :

Applicable NDT performed per CMM Requirements.

For parts replaced: See "Parts Issued on WO" document attached.

Repaired, modified, overhauled & tested as per CMM 62-21-06 (4th Issue, Rev 7)

Blocking Ring Replaced

Body End Assy Replaced

Eye End Assy Replaced

Body Assy Replaced

LOCATION	Mecaer America Inc.	SIGNATURE	Patrick Packwood	
DATE	2019-12-16			

MAI - Live

100

Transactions de stock par ordre - PARTS ISSUED ON W.O.

Order Type	Order	Item	Description	Lot	Ser?	Serial Number	Certificate Code	Supplier Lot	Qty	UM	Type	Date	Whs	Exp.Date	R
Ordre de fabric	600002480	GBYIA10084T40	SLYDRING SEAL	17020063	Non				2.000	EA	Sortie	12/11/19 201		2037-12-12	
Ordre de fabric	600002480	M006-01H004-053	EYE END ASSEMBLY	19110522	Oui	MCR19254			1.000	EA	Sortie	12/12/19 203			A
Ordre de fabric	600002480	M006-01H014-105	PISTON RESERVOIR	19080154	Non				1.000	EA	Sortie	12/12/19 203			G
Ordre de fabric	600002480	M006-01H016-103	SPRING RESERVOIR	PM300103	Non			3699	1.000	EA	Sortie	12/11/19 203			F
Ordre de fabric	600002480	M006-01H029-103	BLOCKING RING	19090648	Oui	MCR17043			1.000	EA	Sortie	12/11/19 203			F
Ordre de fabric	600002480	M006-01H032-103-DDA0086	BODY DDA0086	19120477	Oui	PLT200066			1.000	EA	Sortie	12/13/19 203			N
Ordre de fabric	600002480	M006-01H041-101	RELIEF VALVE SPRING	17010653	Non				4.000	EA	Sortie	12/11/19 203			C
Ordre de fabric	600002480	M006-01H044-101	LEVEL INDICATOR CYLINDER	17030669	Non				1.000	EA	Sortie	12/11/19 203			H
Ordre de fabric	600002480	M006-01H046-041	BODY END ASSEMBLY	19100864	Oui	MCR05972			1.000	EA	Sortie	12/11/19 203			B
Ordre de fabric	600002480	M006-01H075-101	PIN	19050193	Non				6.000	EA	Sortie	12/11/19 203			B
Ordre de fabric	600002480	M006-01H081-101	NAMEPLATE	19050210	Non				1.000	EA	Sortie	12/11/19 203			A
Ordre de fabric	600002480	M83461/1-006	O-Ring Seal	PM298085	Non			ICA00492	2.000	EA	Sortie	12/11/19 201		2029-01-31	
Ordre de fabric	600002480	MS24665-1012	Split Pin	17010082	Non				8.000	EA	Sortie	12/11/19 201			
Ordre de fabric	600002480	MS28778-2	O-RING SEAL	PM301377	Non			7850	2.000	EA	Sortie	12/11/19 201		2031-10-31	
Ordre de fabric	600002480	MS35275-228	SCREW	PM302046	Non			46265	10.000	EA	Sortie	12/11/19 201			
Ordre de fabric	600002480	PA81CM335AT19NG	WEDGEPAK SEAL	PM301754	Non			16355338	1.000	EA	Sortie	12/11/19 201			
Ordre de fabric	600002480	RA710M220AT19NG	WEDGEPAK	PM294966	Non			16355133-SI	1.000	EA	Sortie	12/11/19 201		2031-09-30	
Ordre de fabric	600002480	REYIAK0010NG	VL SEAL	PM303080	Non			16355675-SI	2.000	EA	Sortie	12/11/19 201		2031-03-31	
Ordre de fabric	600002480	RP550M213AT19NG	PLUS SEAL II	PM294969	Non			207151	1.000	EA	Sortie	12/11/19 201		2031-09-30	
Ordre de fabric	600002480	RR3G6220V01352	MAIN ROTOR LAG DAMPER	19090473	Oui	MCR5574			1.000	EA	Sortie	12/06/19 850			
Ordre de fabric	600002480	RRM006-01H004-105	EYE END	19120179	Oui	561RW			1.000	EA	Réception	12/06/19 850			
Ordre de fabric	600002480	RRM006-01H004-105	EYE END	19120179	Oui	561RW			1.000	EA	Réception	12/06/19 850			
Ordre de fabric	600002480	RRM006-01H004-105	EYE END	19120179	Oui	561RW			1.000	EA	Sortie	12/06/19 850			
Ordre de fabric	600002480	WE250B508AT19NG	EXCLUDER	17010374	Non				1.000	EA	Sortie	12/11/19 201		2037-12-12	

2019-12-13 11:53

1

**MECAER AMERICA Inc.**ACCEPTANCE TEST
PROCEDURE
CMM 62-21-06
4th ISSUE 7th REV**ACCEPTANCE TEST REPORT****AW139
MAIN ROTOR LAG DAMPER****MECAER P/N: M006-01H001-011
AGUSTA P/N: 3G6220V01353****S/N : MCR5574****W/O : 600002480**

PAGE 101/109 PARA.	TEST PROCEDURES	UNIT	REQUIRED	MEASURE	CHECK
1.1	Ambient temperature	°C	15 to 35	21	5 PLT R&O
1.1	Initial visual inspection		Conformity	Conform	5 PLT R&O
1.2.1	Control of stroke Fully retracted position Fully extended position	mm mm	342.5 +/- 0.5 411.5 +/- 0.5	342.24 411.35	5 PLT R&O
1.2.7	Electrical bounding check	mΩ	<10	1.03	5 PLT R&O
1.2.2	Piston free movement		Conformity	Conform	5 PLT R&O
1.2.3	Reservoir proof pressure test 4.5 bar per 3 min.	bar	Conformity	Conform	5 PLT R&O
1.2.2	Load friction of piston: In compression In traction	daN daN	≤ 30 ≤ 30	15.10 15.75	5 PLT R&O
1.2.4	Pressure test of chambers 60 bar	cc/min	100 ÷ 1000	780	5 PLT R&O
1.2.4	Filling and bleeding		Conformity	Conform	5 PLT R&O
1.2.5	Performance verification Characteristic curves		Fig. 3 Conformity	Conform Conform	5 PLT R&O
1.2.6	External leakage		Conformity	Conform	5 PLT R&O
	Final visual inspection		Conformity	Conform	5 PLT R&O
PAGE 3 TABLE 1.0	Weight check	gr	5120 +/- 50	5118	5 PLT R&O
	Documentation: Acceptance Report Characteristic Curves Log Card				21 PLT

REMARKS:

DATE: DEC/12/2019

STAMP:



PREPARED:

APPROVED:





MECAER AMERICA Inc.

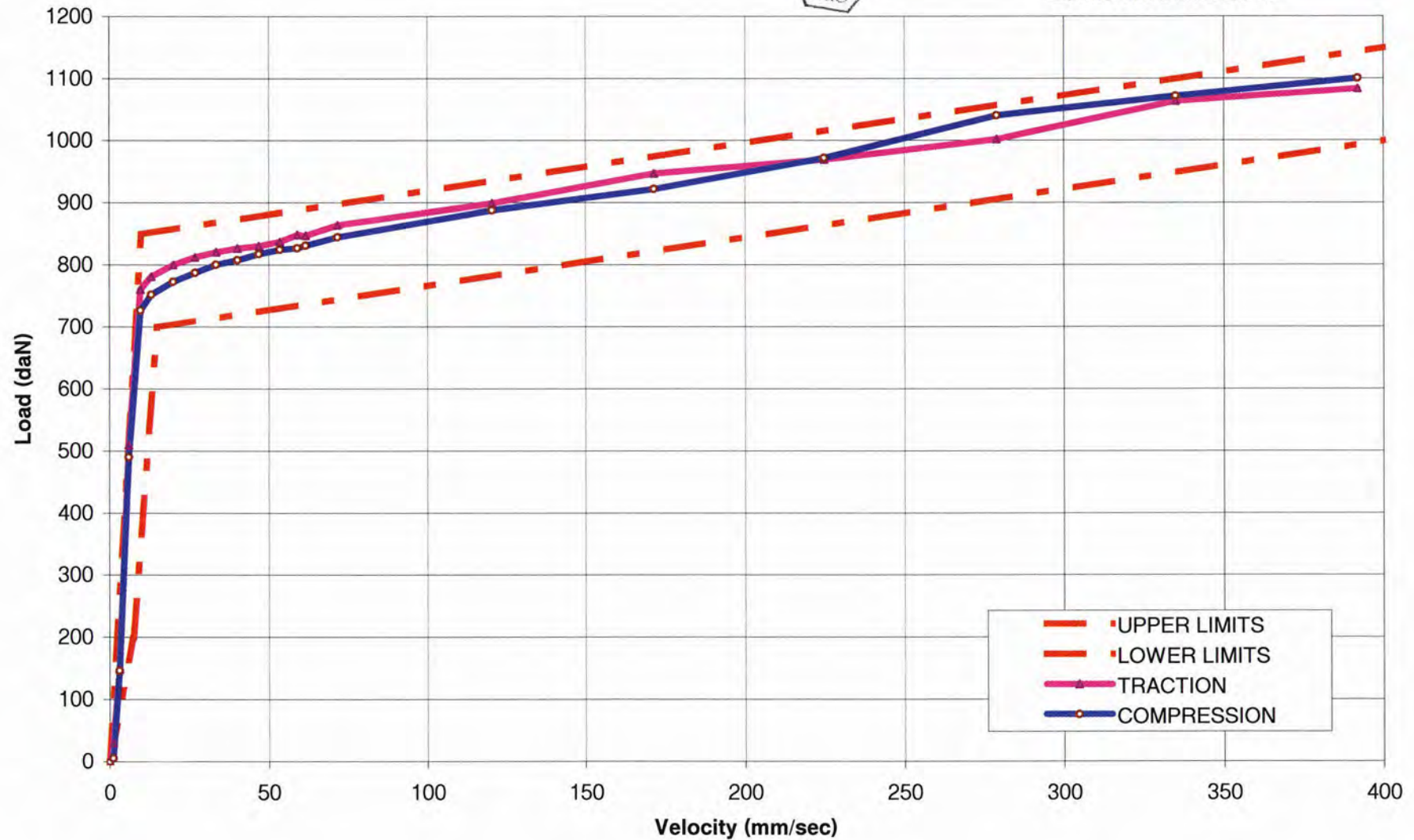
DEC 13 2019



AW139 DAMPER

M006-01H001-011/3G6220V01353

S/N: MCR5574





ROT-21837

LOG CARD

Sezione 1

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Chapter n°

Part n°

DESCRIPTION MAIN ROTOR DAMPER	P/N (2)	3G6220V01352	S/N (3)	MCR5012	MANUFACTURER NAME (4)	MECAER	ASSEMBLY DATE (5)	08/2010	RETIREMENT LIFE (6)O
	P/N (7)	3G6220V01353	S/N (8)	MCR5012	MANUFACTURER NAME (9)	MAI	DATE OF CHANGE (10)	JAN 30 2017	RETIREMENT LIFE (11)
	P/N (7)		S/N (8)		MANUFACTURER NAME (9)		DATE OF CHANGE (10)		RETIREMENT LIFE (11)



NOTES (12)
Removed S/N: 0849
Position: white

MCN 6220 2400 HR - 0/14 48600 HR - Retirement ASSEMBLY HISTORICAL RECORD

INSTALLATION								REMOVAL						
DATE (13)	A/C			ASSY		ORGANIZATION (19)	STAMP AND SIGNATURE (20)	DATE (21)	A/C TOTAL TIME (22)	ASSY		REASON OF REMOVAL (25)	ORGANIZATION (26)	STAMP AND SIGNATURE (27)
	R. MARKS (14)	N/C (15)	TOTAL TIME (16)	TOTAL TIME (17)	TIME SINCE OH (18)					TOTAL TIME (23)	TIME SINCE OH (24)			
06/05/11	N639mm	41216	1779.6	00:00	NEW	CHEV	Dmbs	04/14/12	2364.6	585.0	585.0	Serviceable to Spares	Chev	C/H
06/27/12	N139FW	31022	4641.2	585.0	585.0	CHEV	Dmbs	01/31/13	5081.2	1025.0	1025.0	w/assy/leaking	CHEV	Dmbs
APR. 26.15	PR-AMS	31071	3478.4	1025.0	1025.0	Aeroleo		09 NOV 2016	4998.1	2544.7	2544.7	DUE BT439-452 PL.	Aeroleo	Joans
10-24-11	N53RD	41369	3563.7	2544.7	00:00	Era	WOGA290L	5-10-19	4716.1	3697.1	1152.4	w/ Assy V123	Era	WOGA290L
5-10-19	553RD	41369	4716.1	3697.1	1152.4	Era	WOGA290L	11-14-19	5032.7	4013.7	1469.0	Worn	Era	WOGA290L
4-17-22	811TA	41269	7035.1	4013.7	1469.0	Era	WOGA290L							

3G6220V013S3 S/N MCR5012

JAN 30 2017

36
PLT
AgustaWestland
 A Finmeccanica Company

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 2

Chapter II

Part II

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP TOTAL TIME (33)	COMP TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP TOTAL TIME (37)	COMP TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
Body END Assy	M006-011046-011	MCR00435	/	2544.7	00:00	-	36	4013.7	1460.0	---	66
✓ Body End Assy	M006-011046-041	MCR00435R W		4013.7	1469.0	---	66				
Piston & Blange Assy	M006-011012-045	MCR16030		4013.7	00:00	---	66				
Blocking Ring	M006-011029-103	MCR17530		4013.7	00:00	---	66				
✓ Eye End Assy	M006-011004-053	MCR11693R W W W		4013.7	654.5	---	66				

Rev. 3

AQ 12-04



UNA SOCIETÀ DI AGUSTAWESTLAND



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 2

Chapter n°

Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
SLEEVE	M006-01H018-103	3092		00:00	00:00	NEW					
BODY END ASSY	M006-01H002-041	MCR04009		00:00	00:00	NEW		1025.0	1025.0	1025.0	PP
BLOCKING	M006-01H029-103	4410		00:00	00:00	NEW		1025.0	1025.0	1025.0	PP
BODY	M006-01H032-103	4163		00:00	00:00	NEW		1025.0	1025.0	1025.0	PP
PISTON-FLANGES ASSY	M006-01H012-045	MCR10217		00:00	00:00	NEW		4013.7	4013.7		6C
EYE END ASSY	M006-01H004-045	MCR0879		00:00	00:00	NEW		1025.0	1025.0	1025.0	P.P.
BODY	M006-01H032-103	MCR7798	/	1025.0	00:00	00:00	P.P.				
EYE END ASSY	M006-01H004-045	MCR3357RW	/	1025.0	943.5	00:00	P.P. 	2544.7	2463.2	1519.7	
BODY END ASSY	M006-01H002-041	PLT1033RW	/	1025.0	2497.39	00:00	P.P. 	2544.7	4017.09	1519.7	
Blocking Ring	M006-01H029-103	MCR2398	/	1025.0	00:00	00:00	P.P. 	2544.7	1519.7	—	
EYE END ASSY	M006-01H004-053	MCR3357RW	/	2544.7	2463.2	00:00		4013.7	3932.2	—	
Blocking Ring	M006-01H029-103	MCR13296	/	2544.7	00:00	—		4013.7	1469.0	—	



UNA SOCIETÀ DI AGUSTAWESTLAND



LOG CARD

NOTICE WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

Sezione 3

Chapter n°

Part n°

ACTIVITY RECORD

DATE (40)	ASSY TOTAL TIME (41)	TASK (42)	ACTIVITY (43)	DATE (44)	ORGANIZATION (45)	STAMP AND SIGNATURE (46)
3/17/13	1025.0	Removed in Serviceable Condition From m/R Head Sn P189	W/O C03971-1 w/ visual inspection & found serviceable	3/17/13	Chevron AC 2R675K	MARC LESTER m/est
JAN 31 2014	1025.0	LEAKING	All seals replaced. REPAIRED AND TESTED AS PER CMM 62-21-06 4th ISSUE 1st REV. INSPECTED SERVICEABLE WORK REPORT 4535-2013	31-JAN-14	MAI	P.P.
Dec 20 2016	2544.7	Modify to 3G6220V01353 /overhaul Replace Body END ASSY	All seals replaced, repaired, modified, overhauled and tested as per CMM 62-21-06 4th issue, Rev 5. inspected, serviceable	—	—	—
—	—	—	off work Report # 7040/2016	JAN 30 2017	MAI	
21-1-20	4013.7	Repair	Repaired & tested as per CMM 62-21-06 4th issue, Rev. 7 work report 9680-2020 Inspected Serviceable	28-4-20	MAI	

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 4

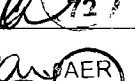
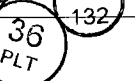
Chapter n°

Part n°

DIRECTIVES COMPLIANCE

MANDATORY DIRECTIVES

OPTIONAL DIRECTIVES

DIRECTIVE NUMBER (47)	ISSUE (48)	DATE OF COMPLIANCE (49)	ORGANIZATION (50)	STAMP SIGNATURE (51)	DIRECTIVE NUMBER (47)	ISSUE (48)	DATE OF COMPLIANCE (49)	ORGANIZATION (50)	STAMP SIGNATURE (51)
BT139-446 PI		MAR 13-16	Aeroleo						
BT139-446 PII		MAR 13-16	Aeroleo						
BT139-450 PI e II		APR-30-16	Aeroleo						
BT139-450 PVI		APR-30-16	Aeroleo						
AD2016-0140 VII		SEP 21, 16	Aeroleo						
BT139-450 REV B	—	JAN 30 2017	MAi						
ASB139-452 PART I not applicable, previously complied with by original BT139-452.									
04/17/2018 Era Helicopters UOGA290L									
ASB139-452 PART II not applicable by part number Body End installed									
04/20/2018 Era Helicopters UOGA290L									
AD2021-23-22 N/A BY P/N UOGA290L									

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

BRISTOW 011718

40 12-04

10.160.002.207

1. Approving Civil Aviation Authority Country

Transport Canada

2.

**AUTHORIZED RELEASE CERTIFICATE
FORM ONE**

3. Form tracking No.

58309

4. Organization Name and Address

MECAER AMERICA INC. 5555 WILLIAM-PRICE, LAVAL (QUEBEC), CANADA, H7L 6C4

5. Work Order / Contract / Invoice

PM: N/A

P.O. 4802145887/03

6. Item

7. Description

8. Part No.

9. Qty

10. Serial / Batch No.

11. Status / Work

10

MAIN ROTOR DAMPER

3G6220V01353 (M006-01H001- 1
011)

MCR5012

REPAIRED

12. Remarks

Certifies that work specified in blocks 11 and 12 was carried out in accordance with TCCA CAR571 and EASA part 145. With respect to that work, the aircraft component is released under EASA.145.7213 and TCCA AMO approval # 35-03

REPAIRED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)

SEE ATTACHED WORK REPORT (#9680-2020) FOR DETAILS. REFER TO LOG CARD FOR STATUS OF LIFE LIMITED PARTS.

13a. Certifies that the items identified above were manufactured in conformity to:

☐

Approved design data and are in condition for safe operation.

☐

Non approved design data specified in block 12.

14a.

☒

CAR 571.10 Maintenance release

☒

Other regulation specified in block 12.

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations

13b. Signature

13c. Approved Organization. Number

14b. Signature

14c. Approved Organization. Number

TC 35-03

13d. Name

13e. Date (dd/mm/yyyy)

14d. Name

14e. Date (dd/mm/yyyy)

Guillaume Comtois

Guillaume Comtois

28/Apr/2020

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in block 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

(Previously Form 24-0078)

**MECAER AMERICA Inc.**5555 William-Price, Laval, Québec (Canada) H7L 6C4
Tel (450) 682-7117 Fax (514) 745-2420

Certificat de Conformité Certificate of Conformity

No: 58309

Livrer à / Shipped To:	Vendu à / Sold To:	Bon de travail / Work order
AW Philadelphia 3076 Red Lion Road Philadelphia, PA, 19114 U.S.A.	AgustaWestland Philadelphia Corporation 3050, Red Lion Road Philadelphia, PA, 19114 U.S.A.	600002732
		Mfr. Cage Code 3AK09

PO #	PO Item #	Sales Order #	SO Item #	Numéro de pièce Part Number	Qté Qty	Description	Rev	Numéro de série(s) Serial Number(s)	Internal Tracking Number	Deviations
4802145887/03	10	570002427	10	3G6220V01353 (M006-01H001-011)	1	MAIN ROTOR DAMPER	N/A	MCR5012	N/A	NONE

Validation du travail / Statements of workREPAIRED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)
ACCEPTANCE TEST REPORT AND AUTHORIZED RELEASE CERTIFICATE (TCCA FORM ONE) ATTACHED.

I certify that item(s) listed herein have been inspected and tested and conform to all specifications and requirements detailed in the contract or purchase order.

Je certifie que le(s) article(s) inscrits ci-contre ont été inspectés et mis à l'essai et qu'ils sont en tout point conforme aux spécifications et exigences du contrat ou du bon de commande.

Autorisé par / Authorized by: **Guillaume Comtois** Inspecteur / InspectorDate: **28/Apr/2020**

Signature:

Étampe / Stamp:



**MECAER AMERICA Inc.****R & O - INCOMING INSPECTION / INSPECTION A LA RECEPTION****9680-2020**

P/N - # pièce:

Description:

3G6220V01353 (M006-01H001-011)

Main Rotor Damper

S/N - # série:

Customer -Client:

Purchase Order - BA: PO Item #

MCR5012

AgustaWestland Philadelphia

4802145887/03

10

Total hours - Hrs Totales: Landings- Atter. CSN - CDN: T.S.O. Hours - Hrs Remis à neuf: Manufacturer - Fabricant:

4013.7

Unknown

N/A

1469.0

Mecaer America Inc.

Defect Declared by Customer - Défaut déclaré par le client:

REPAIR, INSPECT AND RECERTIFY

Other Defect Noticed From Incoming Inspection - Autres défauts notés à la réception:

NONE

Serialized Parts List - Liste des pièces sérialisées**Pictures / Photos**

Part Number / Part Name:	SN:
M006-01H004-Q53 - Eye End Assy	MCR3357RWW
M006-01H046-041 - Body End Assy	ILLIGIBLE
M006-01H032-103 - Body	MCR7798
M006-01H012-045 - Piston & Flanges Assy	
M006-01H012-045R - Piston & Flanges Assy (R	
M006-01H029-103 - Blocking Ring	
M006-01H018-103 - Sleeve	

Check List receiving - Liste de vérification réception

Acc. Rej.

Comments - Commentaires

Log Card included (See PLT-120 appx) /
Historique inclus (Voir PLT-120 ann):☒ ☐Log Card correctly completed / Historique
rempli correctement:☒ ☐

PO included / BA inclus:

☒ ☐PO correlates with Log Card / BA coincide avec
dossier Historique:☒ ☐

Inspection Stamp / Estampille d'Inspection:

Patrick Packwood



Date:

2020-01-21



MECAER AMERICA inc.

R & O - WORK REPORT

No:	9680-2020	WORK ORDER	600002732				
CUSTOMER	AgustaWestland Philadelphia						
DESCRIPTION:	Main Rotor Damper						
P/N:	3G6220V01353 (M006-01H001-011)	S/N:	MCR5012				
TOTAL TIME:	4013.7	Landings	Unknown	C.S.N.	N/A	T.S.O.	1469.0
REASON:							
REPAIR, INSPECT AND RECERTIFY							
TECHNICAL BULLETINS AND AIRWORTHINESS DIRECTIVES COMPILED WITH							

MODIFICATIONS :

MAINTENANCE OPERATIONS CARRIED OUT // NOTES :

Applicable NDT performed per CMM Requirements.

For parts replaced: See "Parts Issued on WO" document attached.

Repair & tested as per CMM 62-21-06 (4th issue, Rev 7)

Body End Bearing Replaced

Piston & Flanges Replaced

Blocking Ring Replaced

Applicable NDT Performed Per CMM Requirements

Eye End Assy Replaced

LOCATION	Mecaer America Inc.	SIGNATURE	Guillaume Comtois	
DATE	4/28/2020			

MAI - Live		100	Transactions de stock par ordre		-	PARTS ISSUED ON W.O.									
Order Type	Order	Item	Description	Lot	Ser?	Serial Number	Certificate Code	Supplier Lot	Qty	UM	Type	Date	Whs	Exp.Date	Revision
Ordre de fabric	600002732	GBYIA10084T40	SLYDRING SEAL	17020063	Non				2.000	EA	Sortie	04/03/20	201	2037-12-12	
Ordre de fabric	600002732	M006-01H028-107	SPHERICAL BEARING	20030494	Oui	14873			1.000	EA	Sortie	04/27/20	203		P
Ordre de fabric	600002732	M006-01H029-103	BLOCKING RING	20030617	Oui	MCR17530			1.000	EA	Sortie	04/03/20	203		F
Ordre de fabric	600002732	M006-01H033-101	SIGHT GLASS	20031199	Non				1.000	EA	Sortie	04/27/20	203		B
Ordre de fabric	600002732	M006-01H033-103	SIGHT GLASS	20010838	Non				1.000	EA	Sortie	04/27/20	203		B
Ordre de fabric	600002732	M006-01H044-101	LEVEL INDICATOR CYLINDER	20030624	Non				1.000	EA	Sortie	04/03/20	203		H
Ordre de fabric	600002732	M006-01H075-101	PIN	19060125	Non				2.000	EA	Sortie	04/03/20	203		B
Ordre de fabric	600002732	M006-01H081-101	NAMEPLATE	19050210	Non				1.000	EA	Sortie	04/28/20	203		A
Ordre de fabric	600002732	M83461/1-006	O-Ring Seal	17010285	Non				2.000	EA	Sortie	04/03/20	201	2029-12-31	
Ordre de fabric	600002732	MS24665-1012	Split Pin	17010062	Non				8.000	EA	Sortie	04/03/20	201		
Ordre de fabric	600002732	MS28778-2	O-RING SEAL	PM301377	Non			7850	2.000	EA	Sortie	04/03/20	201	2031-10-31	
Ordre de fabric	600002732	PA81CM335AT19NG	WEDGEPACK SEAL	17020123	Non				1.000	EA	Sortie	04/03/20	201	2032-01-31	
Ordre de fabric	600002732	RA710M220AT19NG	WEDGEPACK	PM294966	Non			16355133-SI	1.000	EA	Sortie	04/03/20	201	2031-09-30	
Ordre de fabric	600002732	REM006-01H012-045	PISTON-FLANGE ASSEMBLY	20040782	Oui	MCR10030			1.000	EA	Sortie	04/23/20	203		
Ordre de fabric	600002732	REYIAK0010NG	VL SEAL	PM303080	Non			16355675-SI	2.000	EA	Sortie	04/03/20	201	2031-03-31	
Ordre de fabric	600002732	RHM006-01H004-053	EYE END ASSEMBLY	20040727	Oui	MCR11693RWWW			1.000	EA	Sortie	04/27/20	203		
Ordre de fabric	600002732	RP550M213AT19NG	PLUS SEAL II	17020227	Non				1.000	EA	Sortie	04/03/20	201	2032-01-30	
Ordre de fabric	600002732	RR3G6220V01353	MAIN ROTOR LAG DAMPER	20010611	Oui	MCR5012			1.000	EA	Sortie	04/03/20	850		
Ordre de fabric	600002732	RRM006-01H004-105	EYE END	20031102	Oui	MCR3357RWWW			1.000	EA	Réception	03/30/20	850		
Ordre de fabric	600002732	RRM006-01H004-105	EYE END	20031102	Oui	MCR3357RWWW			1.000	EA	Réception	03/30/20	850		
Ordre de fabric	600002732	RRM006-01H004-105	EYE END	20031102	Oui	MCR3357RWWW			1.000	EA	Sortie	03/30/20	850		
Ordre de fabric	600002732	RRM006-01H012-045	PISTON-FLANGE ASSEMBLY	20031101	Oui	MCR10217			1.000	EA	Réception	03/30/20	850		
Ordre de fabric	600002732	RRM006-01H012-045	PISTON-FLANGE ASSEMBLY	20031101	Oui	MCR10217			1.000	EA	Réception	03/30/20	850		
Ordre de fabric	600002732	RRM006-01H012-045	PISTON-FLANGE ASSEMBLY	20031101	Oui	MCR10217			1.000	EA	Sortie	03/30/20	850		
Ordre de fabric	600002732	WE250B508AT19NG	EXCLUDER	17020487	Non				1.000	EA	Sortie	04/03/20	201	2031-06-30	

2020-04-28 11:45

1

**MECAER AMERICA Inc.**ACCEPTANCE TEST
PROCEDURE
CMM 62-21-06
4th ISSUE 7th REV**ACCEPTANCE TEST REPORT****AW139
MAIN ROTOR LAG DAMPER****MECAER P/N: M006-01H001-011
AGUSTA P/N: 3G6220V01353
S/N : MCR5012
W/O : 600002732**

PAGE 101/109 PARA.	TEST PROCEDURES	UNIT	REQUIRED	MEASURE	CHECK
1.1	Ambient temperature	°C	15 to 35	21	
1.1	Initial visual inspection		Conformity	Conform	
1.2.1	Control of stroke Fully retracted position Fully extended position	mm mm	342.5 +/- 0.5 411.5 +/- 0.5	342.51 411.34	
1.2.7	Electrical bounding check	mΩ	<10	0.87	
1.2.2	Piston free movement		Conformity	Conform	
1.2.3	Reservoir proof pressure test 4.5 bar per 3 min.	bar	Conformity	Conform	
1.2.2	Load friction of piston: In compression In traction	daN daN	≤ 30 ≤ 30	16.25 16.80	
1.2.4	Pressure test of chambers 60 bar	cc/min	100 ÷ 1000	860	
1.2.4	Filling and bleeding		Conformity	Conform	
1.2.5	Performance verification Characteristic curves		Fig. 3 Conformity	Conform Conform	
1.2.6	External leakage		Conformity	Conform	
	Final visual inspection		Conformity	Conform	
PAGE 3 TABLE 1.0	Weight check	gr	5120 +/- 50	5118	
	Documentation: Acceptance Report Characteristic Curves Log Card			✓ ✓ ✓	

REMARKS:

DATE: APR/27/2020**STAMP:****PREPARED:****APPROVED:**



APR 28 2023



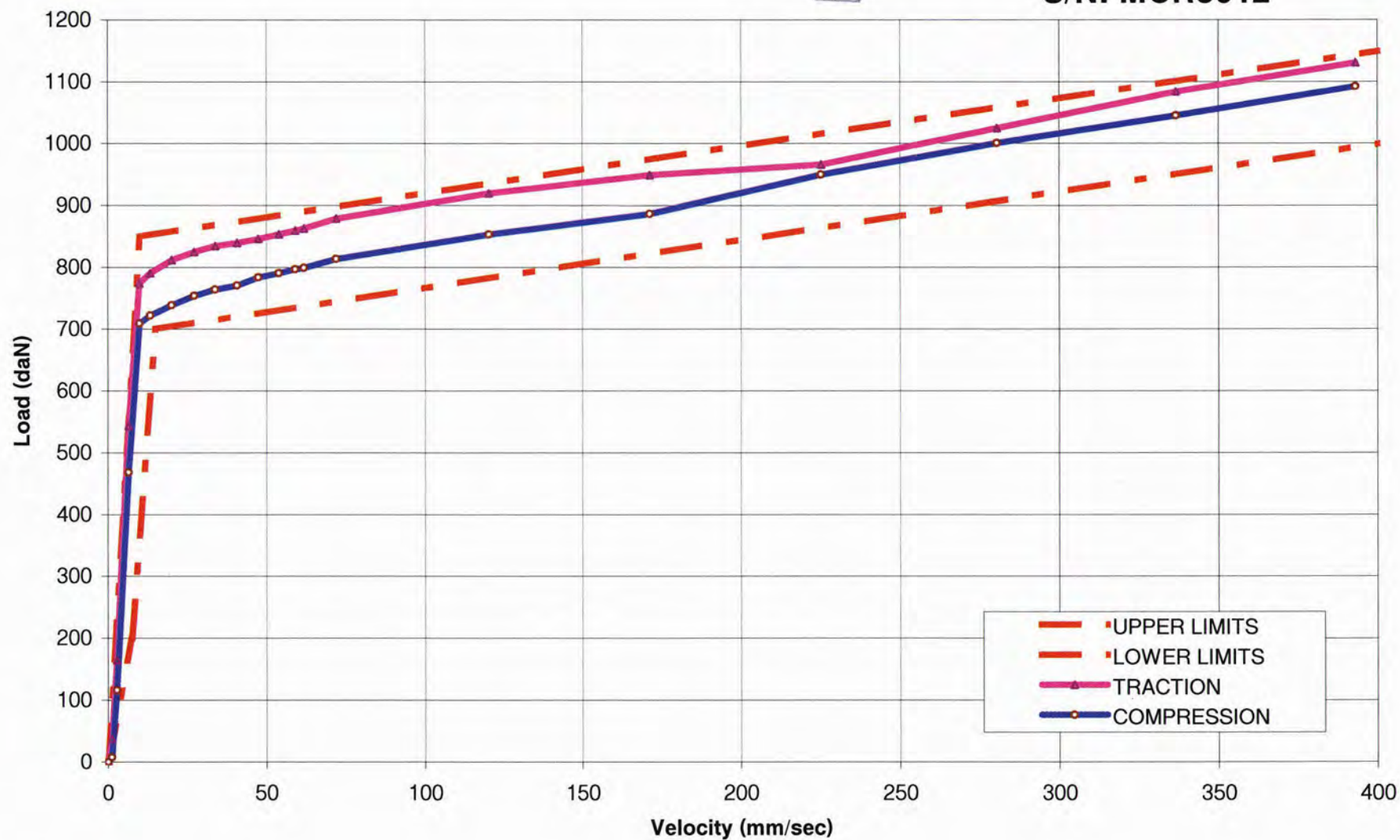
MECAER AMERICA Inc.



AW139 DAMPER

M006-01H001-011/3G6220V01353

S/N: MCR5012



BLACK



ROT-25970

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 1

62

Chapter n°

Part n°

DESCRIPTION (1) MAIN ROTOR LAG DAMPER	P/N (2) 3G6220V01352	S/N (3) MCR5278	MANUFACTURER NAME (4) MECAER	ASSEMBLY DATE (5) 1/2011	RETIREMENT LIFE (6) 2400 FH O/H
	P/N (7) 3G6220V01353	S/N (8) MCR5278	MANUFACTURER NAME (9) MECAER	DATE OF CHANGE (10) JUN 30 2017	RETIREMENT LIFE (11)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE (11)

NOTES (12)

ASSEMBLY HISTORICAL RECORD

INSTALLATION							REMOVAL							
DATE (13)	A/C			ASSY		ORGANIZATION (19)	STAMP AND SIGNATURE (20)	DATE (21)	A/C TOTAL TIME (22)	ASSY		REASON OF REMOVAL (25)	ORGANIZATION (26)	STAMP AND SIGNATURE (27)
	R. MARKS (14)	N/C (15)	TOTAL TIME (16)	TOTAL TIME (17)	TIME SINCE OH (18)					TOTAL TIME (23)	TIME SINCE OH (24)			
4-21-11	N304YS	41264	00:00	00:00	New	Agusta		5-19-16	1206.8 4439.45	1206.8	NEW	To Comply WITH BT139-450	N.J.S.P. CRS BB112026	<i>[Signature]</i>
5-19-16	N7NAT	41264	1206.8	1206.8	NEW	NTSP	<i>[Signature]</i> BB112026	5-1-17	1416.5 5201.15	1416.5		To comply with Leonardo SAT. Letter # AW131-17-082	NTSP CAS BB112026	A. VEGA
3-17-18	N539BA	41329	2322.9	1416.5	00.00	Bristow	<i>[Signature]</i>	3-12-20	4169.5 3486.9	2580.5	1164.0	Ceramic Coating Coming off Rod End	Bristow	<i>[Signature]</i>
4-17-22	811TA	41269	7035.1	2580.5	1164.0	Era	NOGAP2101							

Rev. 3

AQ 12-04

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

BRISTOW 011726

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

Sezione 2

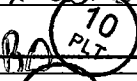
62

Chapter n°

Part n°

ASSY 5278

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
BODY	M006-01H032-103	5241		00:00	00:00	New					
SLEEVE	M006-01H018-103	MCR3349		00:00	00:00	New					
PISTON FLANGE ASSY	M006-01H012-045	MCR11345		00:00	00:00	New					
EYE END ASSY	M006-01H004-045	MCR1064		00:00	00:00	New	12/20/14	3306 871.8	3306 871.8	NEW	
BODY END ASSY	M006-01H002-041	MCR4671		00:00	00:00	New		1416.5	1416.5	—	RO 
BLOCKING RING	M006-01H029-103	4044		00:00	00:00	New		2580,5	2580,5	—	GC 
EYE END ASSY	M006-01H004-045	MCR3783RW		3306 871.8	0.0	12/20/14 D/H	MAGIS INSP	1124.4	252.6	→	CRS 381R28K
EYE END ASSY	M006-01H004-045	MCR10320		1124.4	0.0	NEW	1-20-16	4199	82.4		CRS 381R28K
EYE END ASSY	M006-01H004-045	MCR11659		1206.8	0.0	NEW	5-19-16	4439	240		CRS 381R28K
EYE END ASSY	M006-01H004-045	MCR11659		4439	0.0	NEW	CRS 381R28K	1416.5	209.7	—	RO
BODY END ASSY	M006-01H046-041	MCR07162		1416.5	00.00	00.00	10 PLT	2580,5	1373,7	—	GC
BODY END ASSY	M006-01H046-041	MCR07162		1416.5	00.00	00.00	10 PLT	2580,5	1164,0	—	GC
body end Assy	M006-01H046-041	MCR00762 RW		2580,5	1164,0	00.00	GC 				



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 2/A

Chapter n°

Part n°

P/N: 3G6220V01353

S/N: MCR5278

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP TOTAL TIME (33)	COMP TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP TOTAL TIME (37)	COMP TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
EYE-END ASSY	M006-01H004-053	MCR 1815RWW	/	2580.5	1276.01	00.00	GC (31)				
BLOCKING RING	M006-01H029-103	MCR 18065	/	2580.5	00.00	NEW	GC (31)				

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 3

62

Chapter n°

Part n°

ACTIVITY RECORD

[illegible]

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 4

62

Chapter n°

Part n°

ASSY 5278

DIRECTIVES COMPLIANCE

[illegible]

1. Approving Civil Aviation Authority Country

Transport Canada

2.

AUTHORIZED RELEASE CERTIFICATE
FORM ONE

3. Form tracking No.

58970

4. Organization Name and Address

MECAER AMERICA INC. 5555 WILLIAM-PRICE, LAVAL (QUEBEC), CANADA, H7L 6C4

5. Work Order / Contract / Invoice

PM: N/A

P.O. 4802226133/03

6. Item	7. Description	8. Part No.	9. Qty	10. Serial / Batch No.	11. Status / Work
10	MAIN ROTOR DAMPER	3G6220V01353 (M006-01H001- 1 011)		MCR5278	REPAIRED

12. Remarks Certifies that work specified in blocks 11 and 12 was carried out in accordance with TCCA CAR571 and EASA part 145. With respect to that work, the aircraft component is released under EASA.145.7213 and TCCA AMO approval # 35-03

REPAIRED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)

SEE ATTACHED WORK REPORT (#10085-2020) FOR DETAILS. REFER TO LOG CARD FOR STATUS OF LIFE LIMITED PARTS.

13a. Certifies that the items identified above were manufactured in conformity to:

Approved design data and are in condition for safe operation.

Non approved design data specified in block 12.

14a.

☒ CAR 571.10 Maintenance release

☒ Other regulation specified in block 12.

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations

13b. Signature

13c. Approved Organization. Number

14b. Signature

14c. Approved Organization. Number

TC 35-03

13d. Name

13e. Date (dd/mmm/yyyy)

14d. Name

14e. Date (dd/mmm/yyyy)

Guillaume Comtois

30/Jul/2020

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in block 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

(Previously Form 24-0078)



MECAER AMERICA Inc.

5555 William-Price, Laval, Québec (Canada) H7L 6C4
Tel (450) 682-7117 Fax (514) 745-2420

Certificat de Conformité Certificate of Conformity

No: 58970

Livrer à / Shipped To:

AW Philadelphia
3076 Red Lion Road
Philadelphia, PA, 19114
U.S.A.

Vendu à / Sold To:

AgustaWestland Philadelphia Corporation
3050, Red Lion Road
Philadelphia, PA, 19114
U.S.A.

Bon de travail / Work order

600003071

Mfr. Cage Code

3AK09

PO #	PO Item #	Sales Order #	SO Item #	Numéro de pièce Part Number	Qté Qty	Description	Rev	Numéro de série(s) Serial Number(s)	Internal Tracking Number	Deviations
4802226133/03	10	570002747	10	3G6220V01353 (M006-01H001-011)	1	MAIN ROTOR DAMPER	N/A	MCR5278	N/A	NONE

Validation du travail / Statements of work

REPAIRED & TESTED PER CMM 62-21-06 (4th Issue, Rev 7)
ACCEPTANCE TEST REPORT AND AUTHORIZED RELEASE CERTIFICATE (TCCA FORM ONE) ATTACHED.

I certify that item(s) listed herein have been inspected and tested and conform to all specifications and requirements detailed in the contract or purchase order.

Je certifie que le(s) article(s) inscrits ci-contre ont été inspectés et mis à l'essai et qu'ils sont en tout point conforme aux spécifications et exigences du contrat ou du bon de commande.

Autorisé par / Authorized by: **Guillaume Comtois** Inspecteur / Inspector

Date: **30/Jul/2020**

Signature:

Guillaume Comtois

Étampe / Stamp:



**MECAER AMERICA Inc.****R & O - INCOMING INSPECTION / INSPECTION A LA RECEPTION****10085-2020**

P/N - # pièce:

Description:

3G6220V01353 (M006-01H001-011)

Main Rotor Damper

S/N - # série:

Customer -Client:

Purchase Order - BA: PO Item #

MCR5278

AgustaWestland Philadelphia

4802226133/03

10

Total hours - Hrs Totales: Landings- Atter. CSN - CDN: T.S.O. Hours - Hrs Remis à neuf: Manufacturer - Fabricant:

2580.5

Unknown

N/A

1164.0

Mecaer Aviation Group Spa

Defect Declared by Customer - Défaut déclaré par le client:

Ceramic coating coming off Rod End - Repair, inspect, and recertify

Other Defect Noticed From Incoming Inspection - Autres défauts notés à la réception:

Eye End lightly damaged and missing paint

Serialized Parts List - Liste des pièces sérialisées**Pictures / Photos**

Part Number / Part Name:

SN:

M006-01H004-053 - Eye End Assy

MCR11689RW

M006-01H046-041 - Body End Assy

MCR00762

M006-01H032-103 - Body

5241

M006-01H012-045 - Piston & Flanges Assy

M006-01H012-045R - Piston & Flanges Assy (R

M006-01H029-103 - Blocking Ring

M006-01H018-103 - Sleeve

Check List receiving - Liste de vérification réception

Acc. Rej.

Comments - Commentaires

Log Card included (See PLT-120 appx) /
Historique inclus (Voir PLT-120 ann):Log Card correctly completed / Historique
rempli correctement:

PO included / BA inclus:

PO correlates with Log Card / BA coincide avec
dossier Historique:

Inspection Stamp / Estampille d'Inspection:

Guillaume Comtois



Date:

6/15/2020



MECAER AMERICA inc.

R & O - WORK REPORT

No:	10085-2020	WORK ORDER	600003071				
CUSTOMER	AgustaWestland Philadelphia						
DESCRIPTION:	Main Rotor Damper						
P/N:	3G6220V01353 (M006-01H001-011)	S/N:	MCR5278				
TOTAL TIME:	2580.5	Landings	Unknown	C.S.N.	N/A	T.S.O.	1164.0
REASON:							
Ceramic coating coming off Rod End - Repair, inspect, and recertify							
TECHNICAL BULLETINS AND AIRWORTHINESS DIRECTIVES COMPILED WITH							

MODIFICATIONS :

MAINTENANCE OPERATIONS CARRIED OUT // NOTES :

Applicable NDT performed per CMM Requirements.

For parts replaced: See "Parts Issued on WO" document attached.

Repair & tested as per CMM 62-21-06 (4th issue, Rev 7)

Body End Bearing Replaced

Blocking Ring Replaced

Applicable NDT Performed Per CMM Requirements

Eye End Assy Replaced

LOCATION	Mecaer America Inc.	SIGNATURE	Guillaume Comtois	
DATE	7/30/2020			

MAI - Live		100	Transactions de stock par ordre		--	PARTS ISSUED ON W.O.									
Order Type	Order	Item	Description	Lot	Ser?	Serial Number	Certificate Code	Supplier Lot	Qty	UM	Type	Date	Whs	Exp.Date	Revision
Ordre de fabric	600003071	GBYIA10084T40	SLYDRING SEAL	17020066	Non				2.000	EA	Sortie	07/14/20 201		2037-12-12	
Ordre de fabric	600003071	M006-01H028-107	SPHERICAL BEARING	20050938	Oui	15719			1.000	EA	Sortie	07/14/20 203			P
Ordre de fabric	600003071	M006-01H028-107	SPHERICAL BEARING	20050938	Oui	15719			-1.000	EA	Sortie	07/28/20 203			P
Ordre de fabric	600003071	M006-01H028-107	SPHERICAL BEARING	20050938	Oui	15719			-1.000	EA	Sortie	07/28/20 203			P
Ordre de fabric	600003071	M006-01H028-107	SPHERICAL BEARING	20050938	Oui	15719			1.000	EA	Sortie	07/28/20 203			P
Ordre de fabric	600003071	M006-01H028-107	SPHERICAL BEARING	20060585	Oui	15978			1.000	EA	Sortie	07/27/20 203			P
Ordre de fabric	800003071	M006-01H028-107R2	SPHERICAL BEARING - OS	20060943	Oui	993			1.000	EA	Sortie	07/28/20 203			P
Ordre de fabric	600003071	M006-01H029-103	BLOCKING RING	20070465	Oui	MCR18065			1.000	EA	Sortie	07/21/20 203			F
Ordre de fabric	600003071	M006-01H036-105	PISTON GUIDE RESERVOIR	20010607	Non				1.000	EA	Sortie	07/14/20 203			H
Ordre de fabric	600003071	M006-01H037-101	SEAT	PM149999	Non			309621	1.000	EA	Sortie	07/15/20 203			D
Ordre de fabric	600003071	M006-01H044-101	LEVEL INDICATOR CYLINDER	20060843	Non				1.000	EA	Sortie	07/14/20 203			H
Ordre de fabric	600003071	M006-01H075-101	PIN	19060125	Non				2.000	EA	Sortie	07/14/20 203			B
Ordre de fabric	600003071	M83461/1-006	O-Ring Seal	17010285	Non				2.000	EA	Sortie	07/14/20 201		2029-12-31	
Ordre de fabric	600003071	MS24665-1012	Split Pin	17010062	Non				8.000	EA	Sortie	07/14/20 201			
Ordre de fabric	600003071	MS28778-2	O-RING SEAL	PM301377	Non			7850	2.000	EA	Sortie	07/14/20 201		2031-10-31	
Ordre de fabric	600003071	MS35275-228	SCREW	20050534	Non				10.000	EA	Sortie	07/28/20 201			
Ordre de fabric	600003071	PA81CM335AT19NG	WEDGEPAK SEAL	17020123	Non				1.000	EA	Sortie	07/14/20 201		2032-01-31	
Ordre de fabric	600003071	RA710M220AT19NG	WEDGEPAK	PM294966	Non			16355133-SI	1.000	EA	Sortie	07/14/20 201		2031-09-30	
Ordre de fabric	600003071	REM006-01H004-105	EYE END	20060411	Oui	MCR1815RWWW			1.000	EA	Sortie	07/27/20 203			
Ordre de fabric	600003071	REYIAK0010NG	VL SEAL	PM303080	Non			16355675-SI	2.000	EA	Sortie	07/14/20 201		2031-03-31	
Ordre de fabric	600003071	REYIAK0010NG	VL SEAL	PM303080	Non			16355675-SI	1.000	EA	Sortie	07/28/20 201		2031-03-31	
Ordre de fabric	600003071	RP550M213AT19NG	PLUS SEAL II	17020227	Non				1.000	EA	Sortie	07/14/20 201		2032-01-30	
Ordre de fabric	600003071	RR3G6220V01353	MAIN ROTOR LAG DAMPER	20060460	Oui	MCR5278			1.000	EA	Sortie	07/14/20 850			
Ordre de fabric	600003071	WE250B508AT19NG	EXCLUDER	17020487	Non				1.000	EA	Sortie	07/14/20 201		2031-06-30	

**MECAER AMERICA Inc.**ACCEPTANCE TEST
PROCEDURE
CMM 62-21-06
4th ISSUE 7th REV**ACCEPTANCE TEST REPORT****AW139
MAIN ROTOR LAG DAMPER****MECAER P/N: M006-01H001-011
AGUSTA P/N: 3G6220V01353****S/N : MCR5278****W/O : 600003071**

PAGE 101/109 PARA.	TEST PROCEDURES	UNIT	REQUIRED	MEASURE	CHECK
1.1	Ambient temperature	°C	15 to 35	21	
1.1	Initial visual inspection		Conformity	Conform	
1.2.1	Control of stroke Fully retracted position Fully extended position	mm mm	342.5 +/- 0.5 411.5 +/- 0.5	342.31 411.40	
1.2.7	Electrical bounding check	mΩ	<10	1.03	
1.2.2	Piston free movement		Conformity	Conform	
1.2.3	Reservoir proof pressure test 4.5 bar per 3 min.	bar	Conformity	Conform	
1.2.2	Load friction of piston: In compression In traction	daN daN	≤ 30 ≤ 30	16.20 16.85	
1.2.4	Pressure test of chambers 60 bar	cc/min	100 ÷ 1000	830	
1.2.4	Filling and bleeding		Conformity	Conform	
1.2.5	Performance verification Characteristic curves		Fig. 3 Conformity	Conform Conform	
1.2.6	External leakage		Conformity	Conform	
	Final visual inspection		Conformity	Conform	
PAGE 3 TABLE 1.0	Weight check	gr	5120 +/- 50	5118	
	Documentation: Acceptance Report Characteristic Curves Log Card			✓ ✓ ✓ ✓	

REMARKS:

DATE: JUL/29/2020**STAMP:****PREPARED:** **APPROVED:**

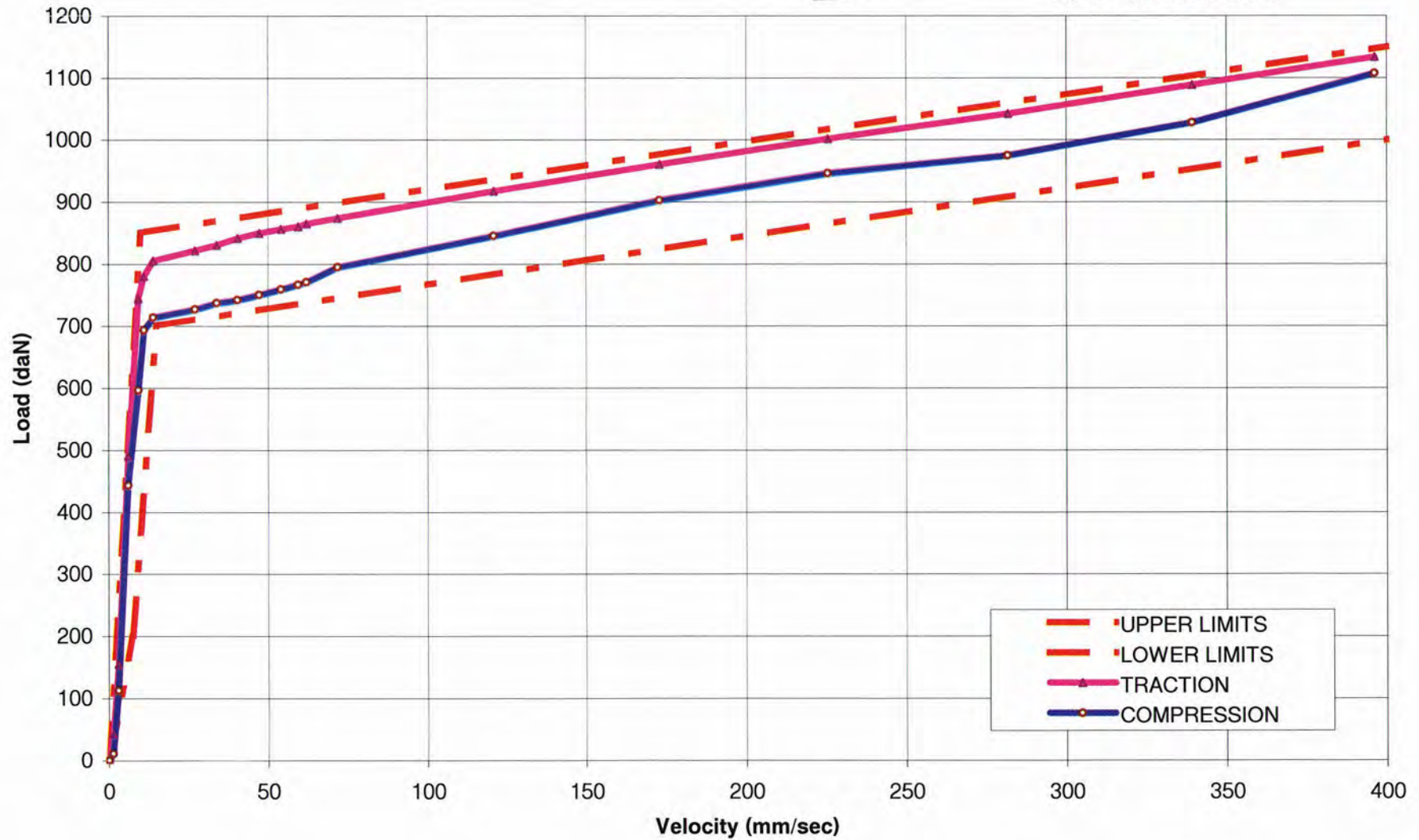
31
PLT
30-7-20

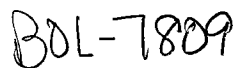


MECAER AMERICA Inc.



AW139 DAMPER
M006-01H001-011/3G6220V01353
S/N: MCR5278





LOG CARD

Section 1

NOTICE:THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

ATA Chapter

DESCRIPTION (1) DAMPER BOLT	P/N (2) 3G6220A01252	S/N (3) AAC0897	MANUFACTURER NAME (4) LEONARDO HELIC. - FROSINONE	ASSEMBLY MANUFACTURING DATE (5) 31/05/2021	RETIREMENT LIFE / TIME LIMITS (6)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)

NOTES

ASSEMBLY HISTORICAL RECORD

[illegible]



LOG CARD

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 3

ATA Chapter

ASSEMBLY ACTIVITY HISTORY

ASSY P/N (44)		3G6220A01252		ASSY S/N (45)		AAC0897	
DATE (46)	TOTAL HOURS (47)	TASKS (48)	ACTIVITIES (49)	ORGANIZATION (50)	STAMP AND SIGNATURE (51)		
	TOTAL LANDINGS (47)						
	TOTAL LIFTS/CYCLES (47)						

**AgustaWestland Philadelphia Corporation**P.O. Box 16002
Philadelphia, PA 19114-0002Phone: (215) 281-1400
Fax: (215) 268-1005Plant
AW Philadelphia Spare Parts Dep.
9250 Ashton Road
PHILADELPHIA PA 19114

REF. RELEASE NOTE		PACKING LIST N.		81867256	
VENDOR		SHIPPED TO			
ERA HELICOPTERS LLC 3151 BRIARPARK DRIVE, SUITE 700 HOUSTON TX 77042 UNITED STATES OF AMERICA <i>2894 8201 4740</i>		ERA HELICOPTERS LLC ** Shipping - Houma 105 TOWER RD HOUMA LA 70363-5479 UNITED STATES OF AMERICA			
REF. ORDER PO245-134559-2021 DATE 11/18/2021		SHIP_TO CODE 20003534	METHOD OF SHIPMENT	DATE 02.04.2022	PAGE N. 1/ 2
REFERENCE ITEM	PART NUMBER - DESCRIPTION	U.M.	QUANTITY	REMARKS	
501175777				FOR : SALES	
000010	J00765-178-61D6 O-RING			<i>GR-234/317-2022</i>	
900001	BATCH: 0005254193 (n/a)	N	4.000	<i>CS: 2/12/22</i>	
000020	3G6220A01252 DAMPER BOLT				
900002	BATCH: 0005190601 S/N: 2017630 (AAC0884) 2017643 (AAC0897) 2017644 (AAC0898) 2017645 (AAC0899) 2017658 (AAC0912)	N	5.000		
000030	1768-60 BELT				
900003	BATCH: 0005454421 (N/A)	N	5.000		
Shipping Notes : Please ship FedEx Ground Account # 101029204					
AgustaWestland Philadelphia Corporation certifies That the part/parts included on this packing list Conform to the requirements of the Contract/Purchase Order. AWPC also certifies that the original paperwork for the above mentioned part/parts is on file at AWPC					
PACKING 1 PARCEL		GROSS WEIGHT KG 0.915		NET WEIGHT KG DIMENSIONS	

ALL CLAIMS MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF THE GOODS. **CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER** BRISTOW 011742

**AgustaWestland Philadelphia Corporation**P.O. Box 16002
Philadelphia, PA 19114-0002Phone: (215) 281-1400
Fax: (215) 268-1005Plant
AW Philadelphia Spare Parts Dep.
9250 Ashton Road
PHILADELPHIA PA 19114

REF. RELEASE NOTE		PACKING LIST N.		81867256	
		REF. SD 81867256			
VENDOR		SHIPPED TO			
ERA HELICOPTERS LLC 3151 BRIARPARK DRIVE, SUITE 700 HOUSTON TX 77042 UNITED STATES OF AMERICA		ERA HELICOPTERS LLC ** Shipping - Houma 105 TOWER RD HOUMA LA 70363-5479 UNITED STATES OF AMERICA			
REF. ORDER PO245-134559-2021 DATE 11/18/2021		SHIP_TO CODE 20003534	METHOD OF SHIPMENT	DATE 02.04.2022	PAGE N. 2/ 2
REFERENCE ITEM	PART NUMBER - DESCRIPTION	U.M.	QUANTITY	REMARKS	
PACKING 1 PARCEL		GROSS WEIGHT KG 0.915	NET WEIGHT KG	DIMENSIONS	

ALL CLAIMS MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF THE GOODS. ~~CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER~~ BRISTOW 011743

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2021 - IT15 - 11252	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802268366 Ref. P.L. N. 0008255263		

6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work
000001	DAMPER BOLT	3G6220A01252	46 N	AAC0897, AAC0898, AAC0899 AAC0900, AAC0901, AAC0902 AAC0903, AAC0904, AAC0905 AAC0906, AAC0907, AAC0908 AAC0909, AAC0910, AAC0911 AAC0912, AAC0913, AAC0914 AAC0915, AAC0916, AAC0917	NEW

12. Remarks Page: 1 of 3

 NONE

13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12		14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service	
13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007	14b. Authorised Signature 	14c. Certificate/Approval Ref.N.
13d. Name Luigi Zerella	13e. Date (dd mmm yyyy) 18 Jun 2021	14d. Name	14e. Date (dd mmm yyyy)

USER/INSTALLER RESPONSIBILITIES

° This certificate does not automatically constitute authority to install the item(s)

° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1.

° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

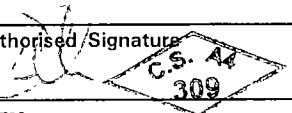
EASA Form 1-21 Issue 2



EAGU2021IT1511252

BRISTOW 011744

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2021 - IT15 - 11252	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802268366 Ref. P.L. N. 0008255263		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
				AAC0918,AAC0919,AAC0874 AAC0875,AAC0876,AAC0877 AAC0878,AAC0879,AAC0880 AAC0881,AAC0882,AAC0883 AAC0884,AAC0885,AAC0886 AAC0887,AAC0888,AAC0889 AAC0890,AAC0891,AAC0892		
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service			
13b. Authorised Signature 		13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature		
13d. Name Luigi Zerella		13e. Date (dd mmm yyyy) 18 Jun 2021		14c. Certificate/Approval Ref.N.		
				14d. Name		
				14e. Date (dd mmm yyyy)		
USER/INSTALLER RESPONSIBILITIES ° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1. ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

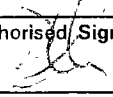
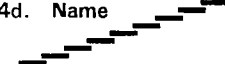
EASA Form 1-21 Issue 2


 EAGU2021IT1511252
 BRISTOW 011745

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2021 - IT15 - 11252	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802268366 Ref. P.L. N. 0008255263		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
		--- LAST ITEM ---		AAC0893,AAC0894,AAC0895 AAC0896		

12. Remarks		Page: 3 of 3
NONE		

13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12		14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service	
13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007	14b. Authorised Signature 	14c. Certificate/Approval Ref.N.
13d. Name Luigi Zerella	13e. Date (dd mmm yyyy) 18 Jun 2021	14d. Name 	14e. Date (dd mmm yyyy)

USER/INSTALLER RESPONSIBILITIES

° This certificate does not automatically constitute authority to install the item(s)

° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1.

° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.





BOL-7812

LOG CARD

Section 1

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

ATA Chapter

DESCRIPTION (1)	P/N (2) 3G6220A01252	S/N (3) AAC0899	MANUFACTURER NAME (4) LEONARDO HELIC. - FROSINONE	ASSEMBLY MANUFACTURING DATE (5) 31/05/2021	RETIREMENT LIFE / TIME LIMITS (6)
DAMPER BOLT	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)

NOTES

ASSEMBLY HISTORICAL RECORD

INSTALLATION						REMOVAL						
DATE (12)	A/C		ASSY		ORGANIZATION, STAMP AND SIGNATURE (18)	DATE (19)	A/C	ASSY			REASON FOR REMOVAL (24)	ORGANIZATION, STAMP AND SIGNATURE (25)
	R. MARKS (13)	TOTAL FLIGHT HOURS (15)	TOTAL HOURS (16)	TIME SINCE OH (17)			TOTAL FLIGHT HOURS (20)	ACTUAL TOTAL HOURS (21)	TOTAL HOURS WITH PENALTY FACTOR (22)	TIME SINCE OH (23)		
		TOTAL LANDINGS (15)	TOTAL LANDINGS (16)	LANDINGS SINCE OH (17)			TOTAL LANDINGS (20)	ACTUAL TOTAL LANDINGS (21)	TOTAL LANDINGS WITH PENALTY FACTOR (22)	LANDINGS SINCE OH (23)		
		S/N (14)	TOTAL LIFTS/CYCLES (15)	TOTAL LIFTS/CYCLES (16)			LIFTS/CYCLES SINCE OH (17)	TOTAL LIFTS/CYCLES (20)		ACTUAL TOTAL LIFTS/CYCLES (21)		
8-28-22	8117A-41269	7399.2	0.0	0.0	Era USCAR292							

Section 2

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

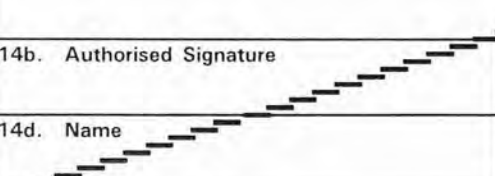
ATA Chapter

[illegible]

**AgustaWestland Philadelphia Corporation**P.O. Box 16002
Philadelphia, PA 19114-0002Phone: (215) 281-1400
Fax: (215) 268-1005Plant
AW Philadelphia Spare Parts Dep.
9250 Ashton Road
PHILADELPHIA PA 19114

REF. RELEASE NOTE		PACKING LIST N.		81867256	
		REF. SD 81867256			
VENDOR		SHIPPED TO			
ERA HELICOPTERS LLC 3151 BRIARPARK DRIVE, SUITE 700 HOUSTON TX 77042 UNITED STATES OF AMERICA <i>2894 8201 4740</i>		ERA HELICOPTERS LLC ** Shipping - Houma 105 TOWER RD HOUMA LA 70363-5479 UNITED STATES OF AMERICA <i>GR-234329-2022</i> <i>CS: 2/12/2022</i>			
REF. ORDER	SHIP_TO CODE	METHOD OF SHIPMENT	DATE	PAGE N.	
PO245-134559-2021 DATE 11/18/2021	20003534		02.04.2022	1/ 2	
REFERENCE ITEM	PART NUMBER - DESCRIPTION	U.M.	QUANTITY	REMARKS	
501175777				FOR : SALES	
000010	J00765-178-61D6 O-RING				
900001	BATCH: 0005254193 (n/a)	N	4.000		
000020	3G6220A01252 DAMPER BOLT				
900002	BATCH: 0005190601 S/N: 2017630 (AAC0884) 2017643 (AAC0897) 2017644 (AAC0898) 2017645 (AAC0899) 2017658 (AAC0912)	N	5.000		
000030	1768-60 BELT				
900003	BATCH: 0005454421 (N/A)	N	5.000		
Shipping Notes : Please ship FedEx Ground Account # 101029204					
AgustaWestland Philadelphia Corporation certifies That the part/parts included on this packing list Conform to the requirements of the Contract/Purchase Order. AWPC also certifies that the original paperwork for the above mentioned part/parts is on file at AWPC					
PACKING	GROSS WEIGHT	NET WEIGHT	DIMENSIONS		
1 PARCEL	KG	KG			
	0.915				

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER - BRISTOW 011751
ALL CLAIMS MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF THE GOODS.

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2021 - IT15 - 11252	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802268366 Ref. P.L. N. 0008255263		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
000001	DAMPER BOLT	3G6220A01252	46 N	AAC0897,AAC0898,AAC0899 AAC0900,AAC0901,AAC0902 AAC0903,AAC0904,AAC0905 AAC0906,AAC0907,AAC0908 AAC0909,AAC0910,AAC0911 AAC0912,AAC0913,AAC0914 AAC0915,AAC0916,AAC0917	NEW	
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service			
13b. Authorised Signature 		13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature 		14c. Certificate/Approval Ref.N.
13d. Name Luigi Zerella		13e. Date (dd mmm yyyy) 18 Jun 2021		14d. Name 		14e. Date (dd mmm yyyy)
USER/INSTALLER RESPONSIBILITIES						
^a This certificate does not automatically constitute authority to install the item(s) ^a Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1. ^a Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

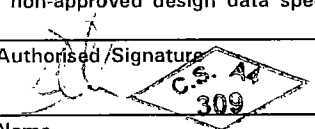
EASA Form 1-21 Issue 2



EAGU2021IT1511252

BRISTOW 011752

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2021 - IT15 - 11252	
4. Organisation name and address:			Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy		5. Work Order/Contract/Invoice Ref. Ord. N. 4802268366 Ref. P.L. N. 0008255263	
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
				AAC0918,AAC0919,AAC0874 AAC0875,AAC0876,AAC0877 AAC0878,AAC0879,AAC0880 AAC0881,AAC0882,AAC0883 AAC0884,AAC0885,AAC0886 AAC0887,AAC0888,AAC0889 AAC0890,AAC0891,AAC0892		
12. Remarks						Page: 2 of 3
NONE						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12			
☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service			
13b. Authorised/Signature		13c. Approval/Authorisation Number		14b. Authorised Signature		14c. Certificate/Approval Ref.N.
 C.S. 42 309		IT.21G.0007				
13d. Name		13e. Date (dd mmm yyyy)		14d. Name		14e. Date (dd mmm yyyy)
Luigi Zerella		18 Jun 2021				
USER/INSTALLER RESPONSIBILITIES						
° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1. ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

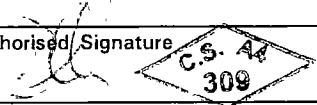
EASA Form 1-21 Issue 2



EAGU2021IT1511252

BRISTOW 011753

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2021 - IT15 - 11252	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802268366 Ref. P.L. N. 0008255263		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
		-- LAST ITEM --		AAC0893,AAC0894,AAC0895 AAC0896		
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service			
13b. Authorised Signature 		13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature		
13d. Name Luigi Zerella		13e. Date (dd mmm yyyy) 18 Jun 2021		14c. Certificate/Approval Ref.N.		
				14d. Name		
				14e. Date (dd mmm yyyy)		
USER/INSTALLER RESPONSIBILITIES ° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1. ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

EASA Form 1-21 Issue 2

EAGU2021IT1511252
BRISTOW 011754

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER



LOG CARD

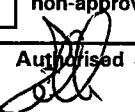
NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 3

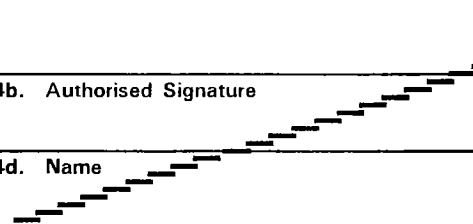
ATA Chapter

ASSEMBLY ACTIVITY HISTORY

ASSY P/N (44)		3G6220A01252		ASSY S/N (45)	AAB0185	
DATE (46)	TOTAL HOURS (47)	TASKS (48)	ACTIVITIES (49)	ORGANIZATION (50)	STAMP AND SIGNATURE (51)	
	TOTAL LANDINGS (47)					
	TOTAL LIFTS/CYCLES (47)					

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2019 - IT15 - 12557	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802012955 Ref. P.L. N. 0008058242		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
000001	DAMPER BOLT	3G6220A01252	33 N	AAB0188,AAB0186,AAB0185 AAB0184,AAB0183,AAB0181 AAB0180,AAB0179,AAB0178 AAB0177,AAB0176,AAB0175 AAB0174,AAB0173,AAB0172 AAB0171,AAB0170,AAB0169 AAB0168,AAB0167,AAB0164	NEW	
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered Ready for Release to Service			
13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature	14c. Certificate/Approval Ref.N.		
13d. Name Luigi Zerella	13e. Date (dd mmm yyyy) 08 Oct 2019		14d. Name	14e. Date (dd mmm yyyy)		
USER/INSTALLER RESPONSIBILITIES ° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1 ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2019 - IT15 - 12557	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802012955 Ref. P.L. N. 0008058242		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
		--- LAST ITEM ---		AAB0163,AAB0162,AAB0161 AAB0160,AAB0159,AAB0158 AAB0157,AAB0156,AAB0165 AAB0182,AAB0187,AAB0166 -----		
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered Ready for Release to Service			
13b. Authorised Signature 		13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature 		
13d. Name Luigi Zerella		13e. Date (dd mmm yyyy) 08 Oct 2019		14c. Certificate/Approval Ref.N.		
				14e. Date (dd mmm yyyy)		
USER/INSTALLER RESPONSIBILITIES ° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1 ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



BOL-7161

LOG CARD

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 1

ATA Chapter

DESCRIPTION (1)	P/N (2) 3G6220AQ1252	S/N (3) AAB0188	MANUFACTURER NAME (4) LEONARDO HD - FROSINONE	ASSEMBLY MANUFACTURING DATE (5) 30/09/2019	RETIREMENT LIFE / TIME LIMITS (6)
DAMPER BOLT	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)

NOTES

ASSEMBLY HISTORICAL RECORD

[illegible]



 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 2 ATA Chapter
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 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 2 ATA Chapter
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 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 2 ATA Chapter
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 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 2 ATA Chapter
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CPR.073.15 F01 - Issue 02 – 28.07.2016 CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER Pag. 2 of 4
BRISTOW 011762

CPR.073.15 F01 - Issue 02 - 28.07.2016 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER Pag. 2 of 4
BRISTOW 011762

CPR.073.15 F01 - Issue 02 – 28.07.2016 CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER Pag. 2 of 4
BRISTOW 011762



LOG CARD

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 3

ATA Chapter

ASSEMBLY ACTIVITY HISTORY

ASSY P/N (44)		3G6220A01252		ASSY S/N (45)	AAB0188	
DATE (46)	TOTAL HOURS (47)	TASKS (48)	ACTIVITIES (49)	ORGANIZATION (50)	STAMP AND SIGNATURE (51)	
	TOTAL LANDINGS (47)					
	TOTAL LIFTS/CYCLES (47)					



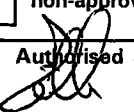
 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 4 ATA Chapter
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 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 4 ATA Chapter
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 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 4 ATA Chapter
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 LEONARDO HELICOPTERS	LOG CARD NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY	Section 4 ATA Chapter
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[illegible][illegible]

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2019 - IT15 - 12557	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802012955 Ref. P.L. N. 0008058242		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
000001	DAMPER BOLT	3G6220A01252	33 N	AAB0188, AAB0186, AAB0185 AAB0184, AAB0183, AAB0181 AAB0180, AAB0179, AAB0178 AAB0177, AAB0176, AAB0175 AAB0174, AAB0173, AAB0172 AAB0171, AAB0170, AAB0169 AAB0168, AAB0167, AAB0164	NEW	
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered Ready for Release to Service			
13b. Authorised Signature 		13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature		
13d. Name Luigi Zerella		13e. Date (dd mmm yyyy) 08 Oct 2019		14c. Certificate/Approval Ref.N.		
				14d. Name		
				14e. Date (dd mmm yyyy)		
USER/INSTALLER RESPONSIBILITIES						
° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1 ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2019 - IT15 - 12557	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802012955 Ref. P.L. N. 0008058242		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
	-----	--- LAST ITEM ---		AAB0163,AAB0162,AAB0161 AAB0160,AAB0159,AAB0158 AAB0157,AAB0156,AAB0165 AAB0182,AAB0187,AAB0166 -----		
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered Ready for Release to Service			
13b. Authorised Signature  		13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature		
13d. Name Luigi Zerella		13e. Date (dd mmm yyyy) 08 Oct 2019		14c. Certificate/Approval Ref.N.		
				14d. Name		
				14e. Date (dd mmm yyyy)		
USER/INSTALLER RESPONSIBILITIES ° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1 ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

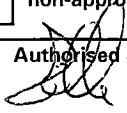


BRISTOW 011767

Section 3

NOTICE:THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

ASSEMBLY ACTIVITY HISTORY						
ASSY P/N (44)		3G6220A01252		ASSY S/N (45)	AAB0916	
DATE (46)	TOTAL HOURS (47)	TASKS (48)	ACTIVITIES (49)	ORGANIZATION (50)	STAMP AND SIGNATURE (51)	
	TOTAL LANDINGS (47)					
	TOTAL LIFTS/CYCLES (47)					

1. Approving Competent Authority/Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU - 2020 - IT15 - 10449	
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy				5. Work Order/Contract/Invoice Ref. Ord. N. 4802012955 Ref. P.L. N. 0008109242		
6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work	
000001	DAMPER BOLT	3G6220A01252	27 N	AAB0922,AAB0920,AAB0925 AAB0924,AAB0923,AAB0919 AAB0918,AAB0917,AAB0910 AAB0909,AAB0908,AAB0907 AAB0916,AAB0915,AAB0914 AAB0913,AAB0912,AAB0911 AAB0590,AAB0566,AAB0539	NEW	
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service			
13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007	14b. Authorised Signature	14c. Certificate/Approval Ref.N.			
13d. Name Luigi Zerella	13e. Date (dd mmm yyyy) 06 Mar 2020	14d. Name	14e. Date (dd mmm yyyy)			
USER/INSTALLER RESPONSIBILITIES ° This certificate does not automatically constitute authority to install the item(s) ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1. ° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



1. Approving Competent Authority/Country ENAC / ITALY	2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number AGU - 2020 - IT15 - 10449
4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy		5. Work Order/Contract/Invoice Ref. Ord. N. 4802012955 Ref. P.L. N. 0008109242

6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work
		--- LAST ITEM ---		AAB0506,AAB0505,AAB0504 AAB0593,AAB0592,AAB0921	

12. Remarks Page: 2 of 2

NONE

13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12		14a. ☐ Part 145.A.50 Release to Service ☐ Other Regulation Specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service	
13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007	14b. Authorised Signature 	14c. Certificate/Approval Ref.N.
13d. Name Luigi Zerella	13e. Date (dd mmm yyyy) 06 Mar 2020	14d. Name	14e. Date (dd mmm yyyy)

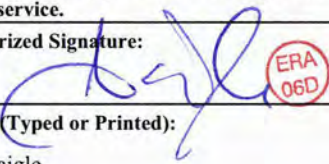
USER/INSTALLER RESPONSIBILITIES

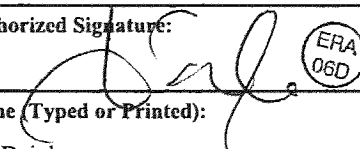
° This certificate does not automatically constitute authority to install the item(s)

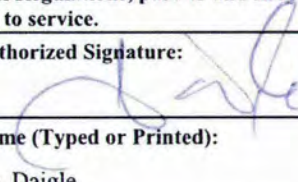
° Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 , it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1.

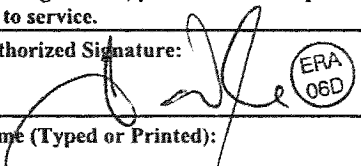
° Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



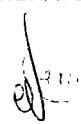
1. Approving National Aviation Authority/Country: FAA / US		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: COM-023476-2021	
4. Organization Name and Address: Era Helicopters LLC, 600 Airport Service Road, Lake Charles LA 70606						5. Work order/Contract/Invoice Number: CWO-036777-2021	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	MR SCISSORS ATTACHMENT FLANGE (PRE BT139-341)	3G6220A00632	N/A	1	V196	See Block 13	
13. Remarks: Inspected scissor attachment flange I/A/W AW139 CR&OP Ch.62 section 62-22 and found to be in serviceable condition.							
TSN: 4731.2		TSO: 4731.2		TSI: 4731.2			
CSN:		CSO:		CSI:			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.			19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature:		16. Approval/ Authorization No.:		20. Authorized Signature: 		21. Approval/ Certificate No.: U0GR290L	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): JoBob Daigle		23. Date (m/d/y): 05/25/2021	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

1. Approving National Aviation Authority/Country: FAA / US		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: COM-023758-2021	
4. Organization Name and Address: Era Helicopters LLC, 600 Airport Service Road, Lake Charles LA 70606						5. Work order/Contract/Invoice Number: CWO-037087-2021	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	LEVER, PITCH CONTROL	3G6220A00732	N/A	1	V451	See Block 13	
13. Remarks: Inspected pitch control lever I/A/W AW139 AMP Ch.62 section 62-20 and found to be in serviceable condition.							
TSN: 4817.4		TSO: 4817.4		TSI: 4817.4			
CSN:		CSO:		CSI:			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.			19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature:		16. Approval/ Authorization No.:		20. Authorized Signature:  ERA 06D		21. Approval/ Certificate No.: U0GR290L	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): JoBob Daigle		23. Date (m/d/y): 08/17/2021	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

1. Approving National Aviation Authority/Country: FAA / US		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: COM-023688-2021		
4. Organization Name and Address: Era Helicopters LLC, 600 Airport Service Road, Lake Charles LA 70606					5. Work order/Contract/Invoice Number: CWO-036283-2021		
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	LEVER, PITCH CONTROL	3G6220A00732	N/A	1	V676	See Block 13	
13. Remarks: Inspected pitch control lever and installed 2ea. serviceable bushings p/n FMI-541-45140-A I/A/W AW139 CR&OP Ch.62 section 62-20. Lever is found to be in serviceable condition.							
TSN: 4729		TSO: 4729		TSI: 0			
CSN:		CSO:		CSI:			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.			19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature:		16. Approval/ Authorization No.:		20. Authorized Signature:  ERA 06D		21. Approval/ Certificate No.: U0GR290L	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): JoBob Daigle		23. Date (m/d/y): 07/21/2021	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

1. Approving National Aviation Authority/Country: FAA / US		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: COM-023759-2021	
4. Organization Name and Address: Era Helicopters LLC, 600 Airport Service Road, Lake Charles LA 70606						5. Work order/Contract/Invoice Number: CWO-037089-2021	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	LEVER, PITCH CONTROL	3G6220A00732	N/A	1	V452	See Block 13	
13. Remarks: Inspected pitch control lever I/A/W AW139 AMP Ch.62 section 62-20 and found to be in serviceable condition.							
TSN: 4817.4		TSO: 4817.4		TSI: 4817.4			
CSN:		CSO:		CSI:			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.			19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature:		16. Approval/ Authorization No.:		20. Authorized Signature:  		21. Approval/ Certificate No.: U0GR290L	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): JoBob Daigle		23. Date (m/d/y): 08/17/2021	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

1. Approving Competent Authority / Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU-2021-40222	
4. Organisation Name and Address: 4.Frosinone Rotors Leonardo S.p.A. – Helicopters Stabilimento di Frosinone Via G. Agusta 1, 03100, Frosinone				5. Work Order / Contract / Invoice 4802405159		
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status / Work	
1	PITCH CONTROL LEVER ASSY	3G6220A00732	1	V1343	REPAIRED	
12. Remarks See Work Report N° 65680769 (NR. DOC 30001115348) for full details of work carried out; reference to IETP AW139 ISSUE 38 dated 07-12-2020, updated 26-01-2021. The work identified in Block 11 and described herein has been accomplished in accordance with 14CFR Part 43 and in respect to that work, the items are approved for release or return to service under Certificate No. U3GY111D.						
13a. Certificates that the items identified above were manufactured in conformity to: ☐ approved design data and are in condition for safe operation ☐ non-approved design data specified in block 12			14a. ☒ Part 145.A.50 Release to Service ☒ Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with PART 145 and in respect to that work the items are considered ready for release to service.			
13b. Authorised Signature		13c. Approval / Authorisation Number		14b. Authorised Signature  C.A. N° 105 C.I.T. N° 105		14c. Certificate / Approval Ref. No. IT.145.0221
13d. Name		13e. Date (dd mmm yyyy)		14d. Name Valerio Cumbo		14e. Date (dd mmm yyyy) 05 JUL 2021
USER / INSTALLER RESPONSIBILITIES This certificate does not automatically constitute authority to install the item(s). Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.						

		RAPPORTO DI LAVORO WORK REPORT		DATA 07.04.2021	NR. DOCUMENTO RV 30001115348	PAG. SHEET 1	DI OF 1
Leonardo Helic.-Frosinone RGD N. 65680769		DATA 30.03.2021		WBS 4802405159			
PROPRIETARIO/ESERCENTE LEONARDO HD (4802405159) CUSTOMER							
DENOMINAZIONE PITCH CONTROL LEVER ASSY PART NAME							
P/N IN 3G6220A00732 P/N OUT 3G6220A00732		S/N IN V1343 S/N OUT V1343					
ORE TOTALI 1778.4 TOTAL TIME		ORE D.U.R.— T.S.O.					
SBARCATO DA AW139 31507 SE-JRI REMOVED FROM							
CAUSA REASON FOUND FRETTING DAMAGE ON THE UPPER BUSHINGS FOR LAG DAMPER ATTACHMENT ON WHITE PITCH CONTROL LEVER							
OPERAZIONI DI MANUTENZIONE MAINTENANCE OPERATIONS RIPARATO / REPAIRED							
MANUALI di RIFERIMENTO REF. MANUALS AW139 IETP ISSUE 38 DATED 07/12/2020 UPDATED 26/01/2021. AW139 AMPI EASA APPROVED DATED 26/01/2021. AW139 AMPI FAA APPROVED DATED 26/01/2021.							
BOLLETTINI TECNICI/P.A. APPLICATI TECNICAL BULLETINS AND AIRWORTHINESS / DIRECTIVES COMPLIED WITH N.A							
Questo rapporto è costituito da n. 4 fogli This report consists of n. 4 sheets							
LUOGO E DATA PLACE AND DATA FROSINONE 05 JUL 2021		CERTIFYING STAFF FIRMA(SIGNATURE) 		CONTROLLORE FIRMA(SIGNATURE) 		AUTORIZZAZIONE AUTHORIZATION VALERIO CUMBOLETTI CIT ENAC N° 105 Autorizzazione N° 105	



	RAPPORTO DI LAVORO WORK REPORT		DATA 07.04.2021	NR. DOCUMENTO RV 30001115348	PAG. SHEET 1	DI OF 1			
Leonardo Helic.-Frosinone RGD	N. 65680769		DATA 30.03.2021	WBS 4802405159					
SOSTITUZIONI REPLACEMENT REF.ASSY PITCH CONTROL LEVER ASSY P/N 3G6220A00732 S/N V1343									
P/N E DENOMINAZIONE P/N AND PART NAME	N.PEZZI N.PIECES	MOTIVO DELLA SOSTITUZIONE REASON OF SOSTITUTION							
FMI-541-45040-A BUSSOLA	2,000	010 DANNI DAMAGE PROPOSTE DI RECUPERO / REPAIR PROPOSAL RV-PRORE P070 FMI-541-45140-A EASA FORM 1 N° AGU-2021-IT15-10955							
FMI-541-45050-A BUSSOLA	4,000	010 DANNI DAMAGE PROPOSTE DI RECUPERO / REPAIR PROPOSAL RV-PRORE P070 FMI-541-45250-A EASA FORM 1 N° AGU-2021-IT15-10956							
3G6220A05251 SPACER	2,000	053 SCOLLAGGIO DEBONDING EASA FORM 1 N° AGU-2016-IT15-12057 EASA FORM 1 N° AGU-2019-IT15-10118							
LUOGO E DATA PLACE AND DATA FROSINONE 05 JUL 2021	CERTIFYING STAFF FIRMA(SIGNATURE) 	CONTROLLORE FIRMA(SIGNATURE) 	AUTORIZZAZIONE AUTHORIZATION VALERIO CUMBOLOTTI CIT ENAC N° 105 Autorizzazione N° 105						



RAPPORTO DI LAVORO WORK REPORT

DATA
07.04.2021

NR. DOCUMENTO
RV 30001115348

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OF
1

Leonardo Helic.-Frosinone RGD

N. 65680769

DATA 30.03.2021

WBS 4802405159

REF.ASSY PITCH CONTROL LEVER ASSY

P/N IN 3G6220A00732
P/N OUT 3G6220A00732

S/N IN V1343
S/N OUT V1343

NOTE NOTES

INSPECTED AND REPAIRED.
ALL ACTIVITIES RECORDED ON W.O. N° 65680769 AND 65696494.

LUOGO E DATA
PLACE AND DATA

FROSINONE

05 JUL 2021

CERTIFYING STAFF
FIRMA(SIGNATURE)

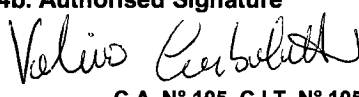
Valerio Cumbo

CONTROLLORE
FIRMA(SIGNATURE)

[Signature]

AUTORIZZAZIONE
AUTHORIZATION

VALERIO CUMBOLOTTI
CIT ENAC N° 105
Autorizzazione N° 105

1. Approving Competent Authority / Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AGU-2021-40221	
4. Organisation Name and Address: 4.Frosinone Rotors Leonardo S.p.A. – Helicopters Stabilimento di Frosinone Via G. Agusta 1, 03100, Frosinone				5. Work Order / Contract / Invoice 4802405235		
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status / Work	
1	PITCH CONTROL LEVER ASSY	3G6220A00732	1	V455	REPAIRED	
12. Remarks See Work Report N° 65680673 (NR. DOC 30001115610) for full details of work carried out; reference to IETP AW139 ISSUE 38 dated 07-12-2020, updated 26-01-2021. The work identified in Block 11 and described herein has been accomplished in accordance with 14CFR Part 43 and in respect to that work, the items are approved for release or return to service under Certificate No. U3GY111D.						
13a. Certificates that the items identified above were manufactured in conformity to: ☐ approved design data and are in condition for safe operation ☐ non-approved design data specified in block 12			14a. ☒ Part 145.A.50 Release to Service ☒ Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with PART 145 and in respect to that work the items are considered ready for release to service.			
13b. Authorised Signature		13c. Approval / Authorisation Number		14b. Authorised Signature  C.A. N° 105 C.I.T. N° 105		14c. Certificate / Approval Ref. No. IT.145.0221
13d. Name		13e. Date (dd mmm yyyy)		14d. Name Valerio Cumbolotti		14e. Date (dd mmm yyyy) 05 JUL 2021
USER / INSTALLER RESPONSIBILITIES <i>This certificate does not automatically constitute authority to install the item(s).</i> <i>Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1.</i> <i>Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.</i>						

		RAPPORTO DI LAVORO WORK REPORT		DATA 13.04.2021	NR. DOCUMENTO RV 30001115610	PAG. SHEET 1	DI OF 1
Leonardo Helic.-Frosinone RGD							
N. 65680673		DATA 30.03.2021		WBS 4802405235			

PROPRIETARIO/ESERCENTE LEONARDO (4802405235)
 CUSTOMER

DENOMINAZIONE PITCH CONTROL LEVER ASSY
 PART NAME

P/N IN	3G6220A00732	S/N IN	V455
P/N OUT	3G6220A00732	S/N OUT	V455

ORE TOTALI 200.7	ORE D.U.R.—
TOTAL TIME	T.S.O.

SBARCATO DA AW139 41276 N381MD
 REMOVED FROM

CAUSA
 REASON

GOUGE OUT OF LIMITS

OPERAZIONI DI MANUTENZIONE
 MAINTENANCE OPERATIONS

RIPARATO / REPAIRED

MANUALI di RIFERIMENTO
 REF. MANUALS

AW139 IETP ISSUE 38 DATED 07/12/2020 UPDATED 26/01/2021.
 AW139 AMPI EASA APPROVED DATED 26/01/2021.
 AW139 AMPI FAA APPROVED DATED 26/01/2021.

BOLLETTINI TECNICI/P.A. APPLICATI
 TECHNICAL BULLETINS AND AIRWORTHINESS / DIRECTIVES COMPLIED WITH

N.A

Questo rapporto è costituito da n. 4 fogli
 This report consists of n. 4 sheets

LUOGO E DATA PLACE AND DATA FROSINONE 05 JUL 2021	CERTIFYING STAFF FIRMA(SIGNATURE) 	CONTROLLORE FIRMA(SIGNATURE) 	AUTORIZZAZIONE AUTHORIZATION VALERIO CUMBOLOTTI CIT ENAC N° 105 Autorizzazione N° 105
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		RAPPORTO DI LAVORO WORK REPORT		DATA 13.04.2021	NR. DOCUMENTO RV 30001115610	PAG. SHEET 1	DI OF 1
Leonardo Helic.-Frosinone RGD							
N. 65680673		DATA 30.03.2021		WBS 4802405235			
SOSTITUZIONI REPLACEMENT							
REF.ASSY PITCH CONTROL LEVER ASSY P/N 3G6220A00732 S/N V455							
P/N E DENOMINAZIONE P/N AND PART NAME		N.PEZZI N.PIECES	MOTIVO DELLA SOSTITUZIONE REASON OF SOSTITUTION				
FMI-541-45050-A BUSSOLA		4,000	010 DANNI DAMAGE PROPOSTE DI RECUPERO / REPAIR PROPOSAL RV-PRORE P070 FMI-541-45250-A EASA FORM 1 N° AGU-2021-IT15-10956				
3G6220A05251 SPACER		2,000	010 DANNI DAMAGE EASA FORM 1 N° AGU-2019-IT15-10118				
LUOGO E DATA PLACE AND DATA FROSINONE 05 JUL 2021		CERTIFYING STAFF FIRMA(SIGNATURE) 		CONTROLLORE FIRMA(SIGNATURE) 		AUTORIZZAZIONE AUTHORIZATION VALERIO CUMBOLOTTI CIT ENAC N° 105 Autorizzazione N° 105	



**RAPPORTO DI LAVORO
WORK REPORT**

DATA
13.04.2021

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RV 30001115610

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OF
1

Leonardo Helic.-Frosinone RGD

N. 65680673

DATA 30.03.2021

WBS 4802405235

REF.ASSY PITCH CONTROL LEVER ASSY

P/N IN 3G6220A00732
P/N OUT 3G6220A00732

S/N IN V455
S/N OUT V455

NOTE
NOTES

INSPECTED AND REPAIRED.
ALL ACTIVITIES RECORDED ON W.O. N° 65680673 AND 65696511.

LUOGO E DATA
PLACE AND DATA

FROSINONE

05 JUL 2021

CERTIFYING STAFF
FIRMA(SIGNATURE)

Valerio Cumbolotti

CONTROLLORE
FIRMA(SIGNATURE)

[Signature]

AUTORIZZAZIONE
AUTHORIZATION

VALERIO CUMBOLOTTI
CIT ENAC N° 105
Autorizzazione N° 105

TBT3974 260 567 414

486



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

Sezione 2

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Chapter n°

Part n°

481

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
ROTATING SWASHPLATE ASSY	3G6230A00332	TBT3974	✓	00:00	00:00	NEW	A15 017	4784.6	4784.6	NEW	AER 159
STAT SWPLT ASSY	3G6230A00231	R440		00:00	00:00	NEW	A15 017	2966.8	2966.8	2966.8	U06290
SPHERICAL PIVOT	3G6230A00451	R504	✓	00:00	00:00	NEW	A15 017	3822.2	3822.2	3822.2	U06290
DUPLEX BEARING	3G6230V00152	260		00:00	00:00	NEW	A15 017	1151.4	1151.4	NEW	U06290
SPECIAL RING LOWER	3G6230V00851	567		00:00	00:00	NEW	A15 017	2966.8	2966.8	2966.8	U06290
SCISSOR RETAINING BOLT	3G6230L00651	PPA0004		00:00	00:00	NEW	A15 017				
SCISSOR RETAINING BOLT	3G6230L00651	PPA0005		00:00	00:00	NEW	A15 017				
LOCKING RING OUTER	3G6230A03152	S527	✓	00:00	00:00	NEW	A15 017				
SPECIAL RING UPPER	3G6230V00951	616	✓	00:00	00:00	NEW	A15 017				
LOCKING RING INNER	3G6230V03052	S544	✓	00:00	00:00	NEW	A15 017				
SLIDING BLOCK	3G6230V01151	480	✓	00:00	00:00	NEW	A15 017				
SLIDING BLOCK	3G6230V01151	481	✓	00:00	00:00	NEW	A15 017				

R440

R504

S544

S527

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

Sezione 2

62

Chapter n°

Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
ROTATING SWASHPLATE ASSY	3G6230A00332	TBT3974	☒	00:00	00:00	NEW	A15 017	4784.6	4784.6	NEW	AER 159
STAT SWPLT ASSY	3G6230A00231	R440	☐	00:00	00:00	NEW	A15 017	2966.8	2966.8	2966.8	U062290
SPHERICAL PIVOT	3G6230A00451	R504	☒	00:00	00:00	NEW	A15 017	3822.2	3822.2	3822.2	Q 72
DUPLEX BEARING	3G6230V00152	260	☐	00:00	00:00	NEW	A15 017	1151.4	1151.4	NEW	U06A210L
SPECIAL RING LOWER	3G6230V00851	567	☐	00:00	00:00	NEW	A15 017	2966.8	2966.8	2966.8	U062290
SCISSOR RETAINING BOLT	3G6230L00651	PPA0004	☐	00:00	00:00	NEW	A15 017				
SCISSOR RETAINING BOLT	3G6230L00651	PPA0005	☐	00:00	00:00	NEW	A15 017				
LOCKING RING OUTER	3G6230A03152	S527	☒	00:00	00:00	NEW	A15 017				
SPECIAL RING UPPER	3G6230V00951	616	☒	00:00	00:00	NEW	A15 017				
LOCKING RING INNER	3G6230V03052	S544	☒	00:00	00:00	NEW	A15 017				
SLIDING BLOCK	3G6230V01151	480	☒	00:00	00:00	NEW	A15 017				
SLIDING BLOCK	3G6230V01151	481	☒	00:00	00:00	NEW	A15 017				

P502

P508



LOG CARD

Sezione 2

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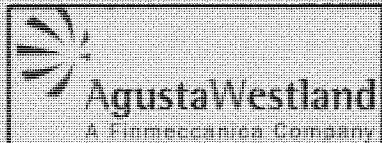
Chapter n°

Part n°

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (25)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
SLIDING BLOCK BOLT	3G6230A02952	P502 ✓		00:00	00:00	NEW					
SLIDING BLOCK BOLT	3G6230A02952	P508 ✓		00:00	00:00	NEW					
Duplex bearing	3G6230V00151	12158		1151.4	0.0	new	W01A290L	1151.3	1772.9	1772.9	W01A290L
Duplex Bearing	3G6230V00152	408		1124.3	1159.9	1159.9	W01A290L	1124.3	1202.4	1202.4	W01A290L
Special Ring Lower	3G6230V00851	12120		1146.5	0.0	0.0	W01A290L	3822.2	855.4	NEW	
Static S/P Assy	3G6230A00231	Q331 ✓		2466.8	0.0	0.0	W01A290L				
Duplex Bearing	3G6230V00152	1517 ✓		1146.8	0.0	0.0	W01A290L	1146.3	4134.5	4134.5	W01A290L
Special Ring Lower	3G6230V00851	194 ✓		3822.2	3588.6	0.0					
Spherical Pivot	3G6230A00451	N100 ✓		3822.2	3588.6	0.0					
Rotating sub-assembly	3G6230A00332	Q127 ✓		4774.6	3768.6	NEW		5774.2	4758.2	TO-10003	W01A290L
Rotating Swashplate Assy.	3G6230A00332	PA6255		5774.2	0.0	0.0	W01A290L				
Duplex bearing	3G6230V00152	811		1146.3	0.0	0.0	W01A290L				



LOG CARD

NOTICE: WHEN THIS ASBY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UNDATED.

Sezione 2

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Chapter 5

Part n°

PN3

AD 12-04

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 3

chap. n° 62

Part n°

ACTIVITY RECORD

DATE (40)	ASSY TOTAL TIME (41)	TASK (42)	ACTIVITY (43)	DATE (44)	ORGANIZAÇÃO (45)	STAMP AND SIGNATURE (46)
FEB 04 2018	2355.9 2355.9	139 Fixed S/P AND SCISSORS	C/W Fixed S/P AND SCISSORS S/N: Q331 L/S: 0113174	FEB 04 2018	Avalado	 (AER 159)
SEP 25 2018	4816.9	139 Fixed S/P AND SCISSORS	C/W ACCORDING 2/S: 0115664	SEP 25 2018	Avalado	 (AER 159)
SEP 29 2018	4816.9	139 LUBE S/P DUPLEX BEARING	C/W ACCORDING 2/S: 0115664	SEP 29 2018	Avalado	 (AER 159)
MAR 25 2019	4950.0	139 LUBE S/P DUPLEX BEARING	C/W ACCORDING 2/S: 0119111 S/N: 15117	MAR 25 2019	Avalado	 (AER 159)
MAR 25 2019	4950.0	139 Fixed S/P AND SCISSORS	C/W ACCORDING 2/S: 0119111 S/N: Q331	MAR 25 2019	Avalado	 (AER 159)
JUN 29 2019	5082.7	139 Fixed S/P AND SCISSOR	C/W ACCORDING 2/S: 0118636	JUN 29 2019	Avalado	 (AER 159)
JUN 29 2019	5082.7	139 LUBE S/P DUPLEX BEARING	C/W ACCORDING 2/S: 0118636	JUN 29 2019	Avalado	 (AER 159)
7-1-20	5774.2	C/W Lube S/P Duplex Bearing C/W Fixed S/P & Scissors DI	C/W Inspections & replace rotating swash plate Replaced special Ring Lower w/SN: 1734.	7-1-20	ERA	 UOGA290L
1-14-21	6051	C/W Lube S/P Duplex Bearing C/W Fixed S/P & Scissors DI	C/W Insp @ PTT: 3084.2 S/N: 15117 C/W - Imp. 463027563.	1-14-21	ERA	 UOGA290L
2-25-21	6189	C/W Lube S/P Duplex Bearing C/W 139 Fixed S/P Scissors DI	C/W Insp 45 3028331 C/W Detail Insp	2-25-21	ERA	 UOGA290L
4-19-21	6326.8	C/W LUBE S/P DUPLEX BEARING C/W 139 FIXED S/P & SCISSORS DI	C/W Insp. @ PTT: 3360 S/N: 15117 C/W Insp. @ PTT: 3360 S/N: Q331 45 3053533	4-19-21	ERA	 UOGA290L
6-4-21	6468.4	C/W - 139 Lube S/P Duplex Bearing 139 Fixed S/P & Scissor DI	C/W - Insp. 45 3056708, S/N: 15117 45 30501.6 S/N: Q331 45 30501.6	6-4-21	ERA	 UOGA290L
8-9-21	6607.4	C/W LUBE S/P DUPLEX BEARING C/W FIXED S/P & SCISSORS DI	C/W Insp @ PTT: 3640.6 S/N: 15117 45 C/W Insp @ PTT: 3640.6 S/N: Q331 3057456	8-9-21	ERA	 UOGA290L
9-18-21	6752.9	C/W - 139 Lube S/P Duplex Bearing C/W - 139 Fixed S/P & Scissors DI	C/W Detail Insp. 45 3057494 @ PTT 3786.1 C/W - Detail Insp. @ PTT: 3786.1	9-18-21	ERA	 UOGA290L
11-11-21	6848.3	139 Lube S/P Duplex Bearing 139 Fixed S/P Duplex Bearing	45 3087110.	11-11-21	ERA	 UOGA290L

LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

Sezione 3

62

Chapter n°

Part n°

ACTIVITY RECORD

DATE (40)	ASSY TOTAL TIME (41)	TASK (42)	ACTIVITY (43)	DATE (44)	ORGANIZATION (45)	STAMP AND SIGNATURE (46)
			Removed Duplex Bearing P/N 366230V00151 S/N 760 off Assy S/N V39 for making a ratchet sound! the two inner races do not move separately from each other. Inst. Duplex Bearing P/N 366230V00151 S/N 12158 on Assy S/N V39. WORK C/W per Hanger VR-000185-2012 VR-000185-2012	2.6.13	ERA	UOGA290V
				2.6.13	ERA	UOGA290V
				2.6.13	ERA	UOGA290V
				2.6.13	ERA	UOGA290V
5-22-14	2396.2	Inspect & Repair	Inspect and set swashplate friction C/W - 014093-2014	5-22-14	ERA	UOGA290V
5-29-15	1924.3	Replace duplex bearing	rmvd. Duplex bearing S/N: 12158 & Inst. Duplex bearing S/N: 408, C/W - 012334-2015	5-29-15	ERA	UOGA290V
8-18-15	2466.8	Inspect & Repair	Inst. new Static S/P; Duplex Bearing & Lower Ring. Inst. new Transducer P/N: 3030 AN.			
"	"	"	C/W - 012563	8-18-15	ERA	UOGA290V
JAN 28 2017	3701	ROTATING SWASHPLATE INTEGRITY INSP. S/N: T813474	C/W ROTATING SWASHPLATE INTEGRITY INSP. S/N: 100455 T813474	JAN 28 2017	Aeroweb	AER-117
JAN 28 2017	3701	LUBRICATION S/P DUPLEX BEARING S/N: Q331 S/N: 15147.	C/W LUBRICATION S/P DUPLEX BEARING. S/N: 100446.	JAN 28 2017	Aeroweb	AER-117
JAN 28 2017	3701	FIXED S/P. IN SCISSORS. S/N: Q331	C/W. FIXED S/P. IN SCISSORS. S/N: 100446	JAN 28 2017	Aeroweb	AER-117
FEB 04 2018	4398.7	13A LUBE S/P DUPLEX BEARING	C/W LUBE S/P DUPLEX BEARING S/N: 15147 S/N: 0113174	FEB 04 2018	Aeroweb	AER-117

Rev. 3

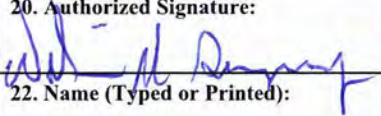


NOTICE. WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED

62

Chapter n°

Part n°

1. Approving National Aviation Authority/Country: FAA / US		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: COM-022553-2020	
4. Organization Name and Address: Era Helicopters LLC, 600 Airport Service Road, Lake Charles LA 70606						5. Work order/Contract/Invoice Number: CWO-035114-2020	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	SWASHPLATE ASSY	3G6230A00132	N/A	1	V39	Inspected	
13. Remarks: Inspected and repaired AW139 SWASHPLATE ASSY p/n 3G6230A00132 s/n V39 by replacing ROTATING SWASHPLATE p/n 3G6230A00332 s/n Q1278 with s/n BAX6255, SPECIAL RING UPPER p/n 3G6230V00951 s/n 917 with s/n 1734. Serviced bearing using AEROSHELL 22, set friction and applied CPC and Proseal IAW AMP 62-31-06-00A-710A-B. Swashplate returned to serviceable condition.							
TSN:		TSO:		TSI:			
5774.2		5774.2		0			
CSN:		CSO:		CSI:			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.		19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
15. Authorized Signature:		16. Approval/ Authorization No.:		20. Authorized Signature: 		21. Approval/ Certificate No.: U0GR290L	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): William M Dempsey		23. Date (m/d/y): 07/01/2020	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							



LOG CARD

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 1

ATA Chapter

ROTATING SWASHPLATE ASSY	P/N (2)	S/N (3)	MANUFACTURER NAME (4)	ASSEMBLY/MANUFACTURING DATE (5)	RETIREMENT LIFE / TIME LIMITS (6)
	3G6230A00332	BAX6255	Leonardo S.p.a.	02/2020	
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)
	P/N (7)	S/N (8)	MANUFACTURER NAME (9)	DATE OF CHANGE (10)	RETIREMENT LIFE / TIME LIMITS (11)

NOTES :

ASSEMBLY HISTORICAL RECORD



LOG CARD

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 2

ATA Chapter

COMPONENTS INSTALLED ON ASSY

[illegible]



LOG CARD

NOTICE: THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 3

ATA Chapter

ASSEMBLY ACTIVITY HISTORY

ASSEMBLY ACTIVITY HISTORY						
ASSY P/N (44)		3G6230A00332		ASSY S/N (45)	BAX6255	
DATE (46)	TOTAL HOURS (47)	TASKS (48)	ACTIVITIES (49)	ORGANIZATION (50)	STAMP AND SIGNATURE (51)	
	TOTAL LANDINGS (47)					
	TOTAL LIFTS/CYCLES (47)					
2-19-21	393.	139 ROT S/P Integrity Insp	CIW Insp. 45 3028321	Era	NECA290L	
7-4-21	784.6	139 ROT S/P Integrity Insp	CIW Insp 45 3056745	Era	NECA290L	
11-25-21	1181.1	139 ROT S/P Integrity Insp	CIW Detail Insp.	Era	NECA290L	
4-7-22	1572.1	139 ROT S/P Integrity Insp	CIW 45 3063757	Era	NECA290L	



LOG CARD

NOTICE:THIS FORM, DULY UPDATED, MUST FOLLOW THE ASSY

Section 4

ATA Chapter

AIRWORTHINESS DIRECTIVES AND BULLETINS COMPLIANCE

ASSY P/N (52)

3G6230A00332

ASSY S/N (53)

BAX6255

AIRWORTHINESS DIRECTIVES AND MANDATORY BULLETINS

OPTIONAL BULLETINS

AIRWORTHINESS DIRECTIVE/ MANDATORY BULLETIN NUMBER (54)		ASSY TOTAL HOURS (57)	ORGANIZATION (58)	STAMP AND SIGNATURE (59)	OPTIONAL BULLETIN NUMBER (59)		ASSY TOTAL HOURS (57)	ORGANIZATION (58)	STAMP AND SIGNATURE (59)	
ISSUE / REVISION (55)	DATE OF COMPLIANCE (56)	ASSY TOTAL LANDINGS (57) ASSY TOTAL LIFTS/CYCLES (57)			ISSUE / REVISION (55)	DATE OF COMPLIANCE (56)	ASSY TOTAL LANDINGS (57) ASSY TOTAL LIFTS/CYCLES (57)			

1. Approving Competent Authority / Country ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number. 8097409	
4. Approved Organisation Name and Address Leonardo SpA, Helicopters, Piazza Monte Grappa 4, 00195 Rome, Italy.					5. Work Order/Contract/Invoice 4801649542	
6. Item	7. Description	8. Part No	9. Quantity	10. Serial No	11. Status/Work	
1	ROTATING SWASHPLATE ASSY	3G6230A00332	FOUR	BAX6255, BAX6256, BAX6257, BAX6258.	NEW	
12. Remarks NONE						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in condition for safe operation ☐ non-approved design data specified in Block 12				14a. ☐ Part 145.A.50 Release to Service ☐ Other regulation specified in block 13 Certifies that unless otherwise specified in Block 12 the work identified in Block 11 and described in Block 12 was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service		
13b. Authorised Signature  		13c. Approval/Authorisation Number IT.21G.0007		14b. Authorised Signature		14c. Certificate/Approval Ref Number
13d. Name J WARD		13e. Date (dd/mm/yyyy) 03 FEB 2020		14d. Name		14e. Date (d/m/y)

EASA Form 1 (reverse side)

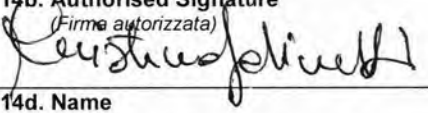
AUTHORISED RELEASE CERTIFICATE – EASA FORM 1

USER/INSTALLER RESPONSIBILITIES

NOTE:

- 1 This certificate does not automatically constitute authority to install the item(s).
- 2 Where the user/installer works in accordance with the regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.
- 3 Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

f. Approving Competent Authority/Country ENAC/ITALY		AUTHORIZED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number 19/61521/SKF	
4. Organisation Name and Address 0		SKF Industrie S.p.A. Via Arcivescovado, 1 10100 Torino - Italy			SKF Avio Via Dante Alighieri, 6 10069 Villar Perosa (TO) - Italy	
5. Work Order/Contract/Invoice 4801761108 30 may 2018						
6. Item	7. Description	8. Part number	9. Quantity	10. Serial number	11. Status / Work	
1	Bearing BA2-9519 A ind .19	3G6230V00152 iss. D	8	805 -812	NEW	
12. Remarks Critical Part - CR. These products have a shelf life of 3 years from the date of this release note S/N 811						
13a. Certifies that the items identified above were manufactured in conformity to: ☒ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12			14a. ☐ Part-145.A.50 Release to Service ☐ Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.			
13b. Authorised Signature Electronic Signature on File		13c. Approval /Authorisation Number IT.21G.0016		14b. Authorised Signature		14c. Certificate/Approval reference number
13d. Name TOMATIS MASSIMO		13e. Date (dd mmm yyyy) 05 mar 2019		14d. Name		14e. Date (dd mmm yyyy)
USER/INSTALLER RESPONSABILITIES This certificate does not automatically constitute authority to install the item(s). When the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in block 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

1. Approving Competent Authority / Country (Autorità competente / Paese che rilascia l'autorizzazione) ENAC / ITALY		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1 (Certificato di ammissione in servizio Modulo 1 AESA)			3. Form Tracking Number (Numero di riferimento del modulo) AGU2015-40290	
4. Organisation Name and Address: (Impresa (nome e indirizzo)) AgustaWestland S.p.A. Stabilimento di Frosinone Via Giovanni Agusta, 1 - 03100 Frosinone - ITALY				5. Work Order / Contract / Invoice (Ordine di lavoro / Contratto / Fattura) REPAIR ORDER N° 4504541443 480101411		
6. Item (Elemento)	7. Description (Descrizione)	8. Part No. (Numero della parte)	9. Qty. (Q.tà)	10. Serial No. (Numero di serie:)	11. Status / Work (Status / lavoro)	
1	FIXED SWASHPLATE ASSY	3G6230A00231	1	Q331	REPAIRED 81220 ERA HELICOPTERS RECEIVING INSP JUL 24 2015  #135950	
12. Remarks (Osservazioni) The work identified in Block 11 and described herein has been accomplished in accordance with 14CFR Part 43 and in respect to that work, the items are approved for return to service under Certificate No. U3GY111D. See Work Report No. 63431778 (NR. DOC. 30001054031) for full details of work carried out. This item is part of assembly P/N 3G6230A00132.						
13a. Certificates that the items identified above were manufactured in conformity to: (Certifica che i prodotti sopra identificati sono fabbricati in conformità a:) ☐ approved design data and are in condition for safe operation (I dati di progettazione approvati sono in condizioni idonee a garantire la sicurezza di funzionamento) ☐ non-approved design data specified in block 12 (Dati di progettazione non approvati specificati nel riquadro 12)			14a. ☒ Part 145.A.50 Release to Service (Parte 145.A.50 Immissione in servizio) ☒ Other regulation specified in block 12 (Altro regolamento specificato al riquadro 12) Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with PART 145 and in respect to that work the items are considered ready for release to service. Certifica che, se non diversamente specificato nel riquadro 12, gli interventi individuati nel riquadro 11 e descritti nel riquadro 12 sono stati realizzati in conformità con i requisiti della PARTE 145 e che, in riferimento a tali interventi, il componente è considerato pronto per la riammissione in servizio.			
13b. Authorised Signature (Firma autorizzata)		13c. Approval / Authorisation Number (Numero di approvazione / autorizzazione)		14b. Authorised Signature (Firma autorizzata) 		14c. Certificate / Approval Ref. No. (Rif. Certificato / Approvazione) IT.145.0221
13d. Name (Nome)		13e. Date (dd mmm yyyy) (Data gg/mm/aaaa)		14d. Name (Nome) AGUSTA-FROSINONE IT.145.0221 CRISTINA SALINETTI CIT ENAC 0101810-CS AUTORIZZAZIONE N° 4411		14e. Date (dd mmm yyyy) (Data gg/mm/aaaa) 14 MAY 2015
USER / INSTALLER RESPONSIBILITIES This certificate does not automatically constitute authority to install the item(s). Where the user / installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user / installer ensures that his / her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.						