

AIRCRAFT MAINTENANCE RECORDS

N 21385

ENGINE LOG BOOK



The subject aircraft was involved in an incident / accident on 7/2/2025 rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: 0299457319US.

Signed: ***Underwriters Salvage Company***

Date: **9/18/2025**

AIG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100

4/1/2025
N21385 S/N: 0356
A/C TT: 5728.3
H.M: 662.3
HIO-360-G1A
SN# L-31791-51A
ENG TT: 7522.8
ENGINE TSMOH:925.6



ENGINE INSPECTION, AD'S AND SB'S

- **100 HR** INSPECTION IAW 14 CFR PART 43 APPENDIX D. NEXT DUE @ 7622.8 ENG HRS.
- C/W AD 2015-19-07 SS FUEL LINE AND CLAMP INSPECTION (NEXT DUE @ 5828.3 A/C HOURS AND 7622.8 ENG HRS)
- COMPLETED SB-480F (NEXT DUE @ 5778.3 A/C HOURS AND 7572.8 ENG T.T.)
- C/W AD 2024-21-02 OIL AND FILTER INSPECTION (NEXT DUE 5778.3 ACTT AND 7572 ENG TT.)

ENGINE MAINTENANCE

- PERFORMED ENGINE CYLINDER COMPRESSION CHECK; #1 72/80, #2 78/80, #3 64/80, #4 72/80
- REMOVED SPARK PLUGS, CLEANED, INSPECTED, GAPPED, AND INSTALLED WITH NEW GASKETS (M674)
- CHECKED L/R MAGNETO TO ENGINE TIMING AT 25 DEGREES BTC.
- CHANGED OIL AND FILTER. SERVICED WITH AEROSHELL 15W-50 OIL. REPLACED OIL FILTER (AA48108-2) CUT OPEN OLD FILTER TO INSPECT FOR CONTAMINANTS-NONE FOUND. REMOVED SUCTION SCREEN AND INSPECTED. REINSTALLED WITH NEW CRUSH GASKET (MS35769-21).
- WASHED ENGINE AND IMPELLER ASSY.
- GROUND RAN ENGINE FOR LEAK CHECK AND OPERATION, ADJUSTED ENGINE IDLE AND IDLE MIXTURE.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND IS IN AN **AIRWORTHY** CONDITION WITH RESPECT TO THE WORK PERFORMED. ALL APPLICABLE AD'S HAVE BEEN COMPLIED WITH AND ARE CURRENT AS OF 4/1/2025. ALL MAINTENANCE WAS COMPLETED REFERENCING LYCOMING PUBLICATIONS AND SZR BASIC HMI. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE.

Name	A&P Number	Date	Signature
BRUCE HINKLE	3993574 IA	4/1/2025	<i>Bruce A Hinkle</i>

N21385 06/09/2025 708.2 H.M. 5774.1 ACFT. T.T. ENG T.T. 7568.7

50 HOUR OIL AND FILTER CHANGE COMPLETED WITH 8 QUARTS OF AEROSHELL W15W-50 AND A NEW OIL FILTER (PN AA48108-2). ENGINE CLEANED, RAN AND LEAK CHECKED. ALL MAINTENANCE WAS COMPLETED IN REFERENCE TO LYCOMING ENGINE MANUALS AND SZR BASIC HMI. I CERTIFY AIRCRAFT IS IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED.

RICHARD TODD MCCONNELL A & P # 4442817 IA

H.M: 615.9

A&P# 3993574

[illegible]

[illegible]

12/5/24

N21385

HIO-360-G1A

ENG SN# L-31791-51A

ENGINE TT: 7432.8

AC TT: 5638.2

ERROR FOUND ON ENGINE TOTAL TIME. UPDATED TIMES ARE AS FOLLOWS:

-ENGINE TOTAL TIME/TSN: 7432.8

-ENGINE TIME SINCE O/H: 835.6

-HOURS REMAIN TILL OVERHAUL: 1364.4

-ENGINE INSTALLED AT 4802.6 A/C TT.

-ENGINE O/H DUE AT 7002.6 A/C TT.

Bruce A Hinkle Jr

BRUCE A HINKLE JR

A&P# 3993574 IA

N21385 8/24/24 H.M:489.6 5555.5 ACFT. T.T. 7650.1 ENG T.T

COMPLETED ENGINE 50 HR AND SB480F. REMOVED, CLEANED, GAPPED, AND TESTED ALL SPARK PLUGS. REPLACED #1 LOWER PLUG (REM38E). REPLACED OIL FILTER (48108-2) CUT OPEN OLD FILTER TO CHECK FOR CONTAMINANTS- NONE FOUND. REINSTALLED SUCTION SCREEN WITH NEW CRUSH GASKET (MS35769-21). SERVICED ENGINE WITH 8QTS OF AEROSHELL 15W-50 OIL. RAN ENGINE FOR LEAK CHECK AND FUNCTION CHECK- NO DEFECTS. ALL MAINTENANCE WAS COMPLETED IN REFERENCE TO LYCOMING ENGINE MANUALS AND SZR BASIC HMI. I CERTIFY THIS ENGINE IS IN AN AIRWORTHY CONDITION IN REGARDS TO THE WORK PERFORMED.

B. A. H.

BRUCE HINKLE

A & P # 3993574

9/25/24/2024

N21385 S/N: 0356

A/C TT: 5604.5

H.M: 538.6

HIO-360-G1A

SN# L-31791-51A

ENG TT: 7699.1

ENGINE TSMOH:801.9



ENGINE INSPECTION, AD'S AND SB'S

- **100 HR** INSPECTION IAW 14 CFR PART 43 APPENDIX D. NEXT DUE @ 7799.1
- C/W AD 2015-19-07 SS FUEL LINE AND CLAMP INSPECTION (NEXT DUE @ 5704.5 A/C HOURS AND 7799.1 ENG HRS)
- COMPLETED SB-480F (NEXT DUE @ 5654.5 A/C HOURS AND 7749.1 ENG T.T.

ENGINE MAINTENANCE

- PERFORMED ENGINE CYLINDER COMPRESSION CHECK; #1 72/80, #2 68/80, #3 70/80, #4 72/80
- REMOVED SPARK PLUGS, CLEANED, INSPECTED, GAPPED, AND INSTALLED WITH NEW GASKETS (M674)
- CHECKED L/R MAGNETO TO ENGINE TIMING AT 25 DEGREES BTC.
- CHANGED OIL AND FILTER. SERVICED WITH AEROSHELL 15W-50. REPLACED OIL FILTER (CH48108-1) CUT OPEN OLD FILTER TO INSPECT FOR CONTAMINANTS-NONE FOUND. REMOVED SUCTION SCREEN AND INSPECTED. REINSTALLED WITH NEW CRUSH GASKET (MS3576).
- WASHED ENGINE AND IMPELLER
- GROUND RAN ENGINE FOR LEAK CHECK AND OPERATION, ADJUSTED ENGINE IDLE AND IDLE MIXTURE.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND IS IN AN **AIRWORTHY** CONDITION WITH RESPECT TO THE WORK PERFORMED. ALL APPLICABLE AD'S HAVE BEEN COMPLIED WITH AND ARE CURRENT AS OF 9/25/2024. ALL MAINTENANCE WAS COMPLETED REFERENCING LYCOMING PUBLICATIONS AND SZR BASIC HMI. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE.

Name	A&P Number	Date	Signature
Todd McConnell	A&P: 4442817 IA	9/25/2024	<i>Todd McConnell</i>
Bruce A Hinkle	A&P: 3993574 IA	9/25/2024	<i>Bruce A Hinkle</i>

7/1/24 Bar
2/27/2024
N21385 S/N: 0356
A/C TT: 5510.8
H.M: 449.9
HIO-360-G1A
SN# L-31791-51A
ENG TT: 7605.4
ENGINE TSMOH:708.2



ENGINE INSPECTION, AD'S AND SB'S

- **100 HR** INSPECTION IAW 14 CFR PART 43 APPENDIX D. NEXT DUE @ 7705.4
- C/W AD 2015-19-07 SS FUEL LINE AND CLAMP INSPECTION (NEXT DUE @ 5610.8 A/C HOURS AND 7705.4 ENG HRS)
- COMPLETED SB-480F (NEXT DUE @ 5610.8 A/C HOURS AND 7705.4 ENG T.T.)

ENGINE MAINTENANCE

- PERFORMED ENGINE CYLINDER COMPRESSION CHECK; #1 **52/80**, #2 70/80, #3 70/80, #4 74/80
- REMOVED SPARK PLUGS, CLEANED, INSPECTED, GAPPED, AND INSTALLED WITH NEW GASKETS (M674)
- REPLACED 2 SPARK PLUGS (REM38E)
- CHECKED L/R MAGNETO TO ENGINE TIMING AT 25 DEGREES BTC.
- CHANGED OIL AND FILTER. SERVICED WITH AEROSHELL 100 MINERAL OIL. REPLACED OIL FILTER (CH48108-1) CUT OPEN OLD FILTER TO INSPECT FOR CONTAMINANTS-NONE FOUND. REMOVED SUCTION SCREEN AND INSPECTED. REINSTALLED WITH NEW CRUSH GASKET (MS3576).
- WASHED ENGINE AND IMPELLER ASSY.
- REPLACED #1 CYLINDER ASSY WITH AN OVERHUALED UNIT FROM LOTH ENGINEERING CRS-UA4R563M WO# 11778 (PN# LW-13870) (SN# 11778-1).
- REPLACED #1 VALVE COVER GASKET (RG75906)
- GROUND RAN ENGINE FOR LEAK CHECK AND OPERATION, ADJUSTED ENGINE IDLE AND IDLE MIXTURE.
- FLIGHT TEST COMPLETED FOR ENGINE MAINTENANCE- NO DEFECTS

I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND IS IN AN **AIRWORTHY** CONDITION WITH RESPECT TO THE WORK PERFORMED. ALL APPLICABLE AD'S HAVE BEEN COMPLIED WITH AND ARE CURRENT AS OF 6/27/2024. ALL MAINTENANCE WAS COMPLETED REFERENCING LYCOMING PUBLICATIONS AND SZR BASIC HMI. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE.

Name	A&P Number	Date	Signature
Todd McConnell	A&P: 4442817 IA	6/27/2024	
Bruce A Hinkle	A&P: 3993574 IA	6/27/2024	

		SUB-TOTAL THIS PAGE
		TOTAL - CARRY FORWARD TO NEXT PAGE

2/27/2024
N21385 S/N: 0356
A/C TT: 5417.8
H.M: 351.9
HIO-360-G1A
SN# L-31791-51A
ENG TT: 7212.4
ENGINE TSMOH:615.2



ENGINE INSPECTION, AD'S AND SB'S

- **100 HR/ANNUAL** INSPECTION IAW 14 CFR PART 43 APPENDIX D.
- C/W AD 2015-19-07 SS FUEL LINE AND CLAMP INSPECTION (NEXT DUE @ 5517.8 A/C HOURS AND 7312.4 ENG HRS)
- COMPLETED SB-480F (NEXT DUE @ 5467.8 A/C HOURS AND 7262.4 ENG T.T.)

ENGINE MAINTENANCE

- PERFORMED ENGINE CYLINDER COMPRESSION CHECK; #1 65/80, #2 78/80, #3 72/80, #4 72/80 (M674)
- REMOVED SPARK PLUGS, CLEANED, INSPECTED, GAPPED, AND INSTALLED WITH NEW GASKETS
- REPLACED 5 SPARK PLUGS (REM38E)
- CHECKED L/R MAGNETO TO ENGINE TIMING AT 25 DEGREES BTC.
- CHANGED OIL AND FILTER. SERVICED WITH AEROSHELL 15W-50 OIL. REPLACED OIL FILTER (CH48108-1) CUT OPEN OLD FILTER TO INSPECT FOR CONTAMINANTS-NONE FOUND. REMOVED SUCTION SCREEN AND INSPECTED REINSTALLED WITH NEW CRUSH GASKET (MS3576).
- REPLACED #4 INTAKE GASKET (AEL71973)
- WASHED ENGINE AND IMPELLER ASSY.
- RAN ENGINE FOR LEAK CHECK AND OPERATIONAL CHECK-NO DEFECTS NOTED.
- COMPLETED MAGNETO CHECK- RPM DROP IS WITHIN TOLERANCE.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND IS IN AN **AIRWORTHY** CONDITION WITH RESPECT TO THE WORK PERFORMED. ALL APPLICABLE AD'S HAVE BEEN COMPLIED WITH AND ARE CURRENT AS OF 2/27/2024. ALL MAINTENANCE WAS COMPLETED REFERENCING LYCOMING PUBLICATIONS AND SZR BASIC HMI. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE.

Name	A&P Number	Date	Signature
Todd McConnell	A&P: 4442817	2/27/2024	
Bruce A Hinkle	A&P: 3993574 IA	2/27/2024	<i>[Signature]</i> <i>B A Hinkle</i>

N21385 05/13/2024 396.9 H.M. 5462.8 ACFT. T.T. 7557.4 ENG T.T.

50 HOUR OIL AND FILTER CHANGE COMPLETED WITH 8 QUARTS OF AEROSHELL W15W-50 AND A NEW OIL FILTER (PN AA48108-2). INSPECTED OIL SUCTION SCREEN AND REPLACED CRUSH GASKET P/N: MS35769-21. REMOVED, GAPPED INSPECTED, CLEANED AND TESTED SPARK PLUGS. ENGINE CLEANED, RAN AND LEAK CHECKED. ALL MAINTENANCE WAS COMPLETED IN REFERENCE TO LYCOMING ENGINE MANUALS AND SZR BASIC HMI. I CERTIFY AIRCRAFT IS IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED.

[Signature]
B A Hinkle

RICHARD MCCONNELL

A & P # 4442817

BRUCE HINKLE

A&P # 3993574



- **100 HR** INSPECTION IAW 14 CFR PART 43 AND LYCOMING SERVICE INSTRUCTIONS.
- C/W AD 2015-19-07 SS FUEL LINE AND CLAMP INSPECTION (NEXT DUE @ 5490.7 A/C HOURS AND 7271.0 ENG HRS)
- COMPLETED SB-480F (NEXT DUE @ 5440.7 A/C HOURS AND 7221.0 ENG HRS)

- PERFORMED ENGINE CYLINDER COMPRESSION CHECK; #1 68/80, #2 72/80, #3 72/80, #4 70/80
- REMOVED SPARK PLUGS, CLEANED, INSPECTED, GAPPED, ROTATED, AND REINSTALLED WITH NEW GASKETS (M674)
- CHECKED L/R MAGNETO TO ENGINE TIMING AT 25 DEGREES BTC.
- CHANGED OIL AND FILTER. SERVICED WITH AEROSHELL 15W-50 OIL. REPLACED OIL FILTER (CH48108-1) CUT OPEN OLD FILTER TO INSPECT FOR CONTAMINANTS-NONE FOUND. REMOVED SUCTION SCREEN AND INSPECTED REINSTALLED WITH NEW CRUSH GASKET (MS3576).
- WASHED ENGINE AND IMPELLER ASSY.
- RAN ENGINE FOR LEAK CHECK AND OPERATIONAL CHECK-NO DEFECTS NOTED.
- COMPLETED MAGNETO CHECK- RPM DROP IS WITHIN TOLERANCE.

Name	A&P Number	Date	Signature
Todd McConnell	A&P: 4442817	11/10/2024	
Bruce A Hinkle	A&P: 3993574	11/10/2024	

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AIRCRAFT MAINTENANCE RECORDS

Book #7

Owner _____

Aircraft Registration **N** 21385

Manufacturer LYCOMING

Model HIO-360-G1A

Serial No. L-31791-51A

Position _____

