



Transport
Canada
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TP3910E

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

Second Edition

January 1987

Canada

T.C. 4-58
NO. 040

ENGINE SERVICE AND

[illegible]

ENGINE SERVICE AND

MAINTENANCE RECORD

16

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
N388TW							N388TW	
BROUGHT FORWARD	→							
1-14-2022					PERFORMED 100 HR INSPECTION. CONTROLS CHECKED AND LUBED. HOSES CHECKED - OK. RBB BLOCK CHECKED - OK.	2-6-2023	CONTROLS CHECKED AND LUBED. EXHAUST CHECKED.	
HL MTR 1820.5					FUEL FILTER REPLACED. OIL SCREEN INSPECTED - OK.	HL MTR 2037.2	REPLACED P3 AIR FILTER WITH NEW FILTER (#3038142GF).	
TTS 1820.5					RBB OIL SCREEN INSPECTED - OK. CHIP DETECTOR CHECKED FOR DEBRIS AND OPERATION - OK. FUEL NOZZLES AND INSPECTION BY 2106.9. EXHAUST CHECKED. SERVICES WITH LOT 2380.	TTC 2037.2	REPLACED OIL FILTER/SCREEN WITH NEW FILTER.	
TSMOH 573.5					CHECKED BET TENSION FOR ALTERNATOR AND A/C. ENGINE WASHED AND GROUND RUN UP NORMAL.	TSMOH 790-2	REPLACED FUEL FILTER. HOSES CHECKED. RBB OIL SCREEN CHECKED - OK. RBB CHIP DETECTOR CHECKED - OK. OPERATION CHECKED NORMAL. ALL SCREEN/FILTERS INSTALLED WITH NEW ORINGS. ALTERNATOR AND A/C COMPRESSOR BET TENSION CHECKED - OK. SERVICES WITH LOT 2380. ENGINE WASHED AND GROUND RUN UP CHECKED NORMAL.	
					I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY.		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY.	
					A.P. 450966172 E. W. Johnson		A.P. 450966172 E. W. Johnson	
					TERRELL AIRCRAFT SERVICES LLC		TERRELL AIRCRAFT SERVICES LLC	
4-11-2022					REPLACED OIL TO FUEL HEATER WITH OVERHAULS PART #10994A FROM P.W. GROUND RUN UP CHECKED NORMAL.	4-8-2024	CONTROLS CHECKED AND LUBED. EXHAUST CHECKED. REMOVED OIL FILTER AND CHECKED - OK. REINSTALLED WITH NEW ORINGS. RBB OIL SCREEN CHECKED - OK. REINSTALLED WITH NEW ORINGS. RBB CHIP DETECTOR CHECKED OK AND OPERATION CHECKED NORMAL. REINSTALLED WITH NEW ORING. REPLACED FUEL FILTER AND ORINGS. SERVICES WITH LOT 2380. HOSES CHECKED - OK.	
HL MTR 1862.8					A.P. 450966172 E. W. Johnson	HL MTR 2233.2		
					TERRELL AIRCRAFT SERVICES LLC	TTC 2233.2		
						TSMOH 886.2		
12-8-2022					REPLACES BETA RING CARBON BLOCK WITH NEW (#3026).		I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY.	
HL MTR 2020.7					A.P. 450966172 E. W. Johnson		A.P. 450966172 E. W. Johnson	
					TERRELL AIRCRAFT SERVICES LLC		TERRELL AIRCRAFT SERVICES LLC	
					CARRIED FORWARD			
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TOTAL FROM PREVIOUS SUMMARY								
TOTAL SINCE MFG.								

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD

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	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD →								
8-12-2020					COMPRESSOR WASH PERFORMED WITH DISTILLED WATER	CHECKED NORMAL.		
HR MTR	1678.1				RGB WASHER DOWN TO FIND OIL LEAK. REPLACED DRAINS AND GROUND RUN UP CHECKED NORMAL.	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY. AP 450966122 E Walker TERRA AIRCRAFT SERVICES LLC		
					AP 450966122 E Walker TERRA AIRCRAFT SERVICES LLC			
9-29-2020					OIL LEAK FOUND ON OVERSPEED COV. REMOVED AND SENT TO AIRCRAFT ACCESSORIES OF OKLAHOMA FOR REPAIR. REINSTALLED AFTER REPAIR. GROUND RUN UP CHECKED NORMAL.			
HR MTR	1706.9				AP 450966122 E Walker TERRA AIRCRAFT SERVICES LLC			
12-26-2020					PERFORMED 100 HR INSPECTION. HOSEC CHECKED -OK. CONTROLS CHECKED AND LUBED. EXHAUST CHECKED -OK. REPLACED BELTS FOR A/C AND #2 ALTERNATOR. FUEL NOZZLES REMOVED AND SENT TO HERITAGE TURBINES INC FOR CHECK AND REIDENTIFICATION. DUE AGAIN BY HR MTR 2106.9			
HR MTR	1754.0				FULL DUE 6 YEAR INSPECTION OR MILIFE INSPECTION BY 10-2021.			
TTE	1754.0				OIL SCREEN CHECKED -OK. RGB OIL SCREEN CHECKED -OK. CHIP DETECTOR OPERATION CHECKED -OK. REPLACED FUEL FILTER BETA RING BLOCK CHECKED FOR WEAR -OK.			
TSMOH	507.0				SERVICES WITH DUE AT 2380. GROUND RUN UP			
					CARRIED FORWARD			
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	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD →						12-27-2019	PERFORMED COMPRESSOR WASH WITH DISTILLED WATER.	
						HR MTR 1540.7	REINSTALLED DRAIN CAPS AND RUN UP CHECKED NORMAL	
4-6-2018					PERFORMED 100 HR INSPECTION. CONTROLS CHECKED AND LUBED.			
HR MTR	1442.8				REPLACED BETA RING BLOCK (A3326). R&B OIL SCAMEN		AP 450966172 S. Walling	
TSMOH	200.8				CHECKED - OK. OIL FILTER CHECKED - OK. FUEL FILTER REPLACED.		TEMMU AIRCRAFT SERVICES LLC	
TTC	1447-8				CHIP DETECTOR OPERATION CHECKED - OK. HOSES CHECKED - OK.			
					SERVICED WITH 1 QT BP2380. FCU 600 HR INSPECTION DUE BY HR MTR			
					1847. FUEL NOZZLE INSPECTION DUE BY HR MTR 1847. CHECKED			
					BOLT TIGHTENS. GROUND START AND RUN UP CHECKED NORMAL			
						5-6-2020	PERFORM 100 INSPECTION. C/W SB1205 ADDWINE (#100798-00) FOR	
						HR MTR 1632.0	RELAXES PY HIGH GROUND. TROUBLESHOOT OIL LEAK - REPLACED	
						TSMOH 385.0	GASKET ON OVERSPEED GOV. CHECKED OIL SCAMEN - OK. R&B OIL	
						TTC 1632.0	SCAMEN CHECKED - OK. HOSES CHECKED - OK. REPLACED FUEL	
							FILTER. CONTROLS CHECKED AND LUBED. CHECK B&G TENSION	
							FOR A/C AND #2 A/C. EXHAUST CHECKED - OK. BETA RING BLOCK	
							CHECKED - OK. R&B CHIP DETECTOR OPERATION CHECKED - OK. SERVICED	
							WITH 1 QT BP2380. GROUND RUN UP CHECKED NORMAL.	
					I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A			
					100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY.			
					AP 450966172 S. Walling			
					TEMMU AIR SERVICES LLC			
4-11-2019					PERFORM 100 HR INSPECTION. EXHAUST CHECKED. CONTROLS CHECKED			
HR MTR	1512.5				AND LUBED. HOSES CHECKED - OK. A/C - ACT B&G CHECKED - OK.			
TSMOH	265.5				OIL SCAMEN CHECKED - OK. R&B OIL SCAMEN CHECKED - OK.			
TTC	1512-5				REPLACED FUEL FILTER. SERVICED WITH 1 QT BP2380.		AP 450966172 S. Walling	
					GROUND RUN UP CHECKED NORMAL.		TEMMU AIRCRAFT SERVICES LLC	
					I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH			
					A 100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY.			
					AP 450966172 S. Walling			
					TEMMU AIRCRAFT SERVICES LLC			
					CARRIED FORWARD			

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	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD →								
11-29-2015					REGINSTALLED ENGINE AFTER OVERHAUL. SERVICED ENGINE WITH 10 OILS 2100. REGINSTALLED ACCESSORIES THAT WERE REMOVED. STARTER, ALTERNATOR, AC COMPRESSOR, FUEL PUMP. INSTALLED NEW PROP AND SPINNER AC-EUN-3Q/E850B-3.5 S/N H45147. ENGINE CONTROLS CHECKED. ADJUSTED REVERSE CASE. ADJUSTED IDLE SPEED 63%. ENGINE GROUND RUN UP CHECKED NORMAL. INSTALLED NEW FUEL-OIL LINES.			
					A. PYSGHATZ Swell TERRILL AIRCRAFT SERVICES LLC			
6-4-2016					PERFORMED 100 HR INSPECTION. R/G-B OIL SCARVEN CHECKED -OK. CHIP DETECTOR OPERATION CHECKED -OK. REGINSTALLED WITH NEW OIL. OIL SCARVEN CHECKED -OK. REGINSTALLED. FUEL FILTER REPLACED. CONTROLS CHECKED AND LUBES. CHECKED BELT TENSIONS -OK. FLY 600 HR INSP AVG BY 1647.00. FUEL NOZZLES INSPECTED AND BY HA AM 1647.0. STANDING GEN SENT TO AIRCRAFT ACCIDENT INVESTIGATION FOR REPAIR. REGINSTALLED AFTER REPAIR. FUNCTION THAT THE ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY.			
HR MM	1310	6						
TSMOH	63.0							
TT	1310.6							
					S-26-2017 PERFORMED 100 HR INSPECTION. HOUSING AND UNDER CARBURETOR -OK. HR MM 1339.7 LB-30. EXHAUST CHECKED -OK. REPLACED FUEL FILTER. OIL SCARVEN CHECKED -OK. TSMOH 142.7 R/G-B OIL SCARVEN CHECKED -OK. CHIP DETECTOR CHECKED FOR CONTAMINATION AND TTE 1339.7 OPERATION -OK. SERVICED WITH 1 QT BP2300. BELT TENSIONS CHECKED -OK. FUEL LINES. GROUND AND UP CHECKED NORMAL.			
					I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND DETERMINED TO BE AIRWORTHY.			
					A. PYSGHATZ Swell TERRILL AIRCRAFT SERVICES LLC			
CARRIED FORWARD								
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BROUGHT FORWARD					

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
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MANUFACTURER Pratt & Whitney	UNIT NAME Engine	TYPE/MODEL PT6A-42A	SERIAL NUMBER PCE RM0021
TOTAL TIME 1247.0	TIME SINCE OVERHAUL 0.00	TOTAL CYCLES 617	CYCLES SINCE OVERHAUL 0

THE ABOVE ITEM IDENTIFIED RECEIVED
ANNUAL INSPECTION OR 100 HOUR INSPECTION ☐ REPAIR ☐ OH HOT SECTION INSPECTION ☐

Engine has been OVERHAULED IAW Pratt and Whitney Overhaul Manual # 3021443 R44, Engine tested, certified and released for return to service Details of this OVERHAUL are on file at this Repair Station under W/O T5715 Verified AD 2012-09-10, 1st stage sungear and gearset replacement is not applicable

THE COMPONENT IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER No. T5715 DATE 14-Oct-15 SIGNATURE [Signature] FOR:

FAX No. 812-877-4604

CRS UTBR513L

TURBINES INC.
7303 Maynard Wheeler Lane, Terre Haute International Airport, Hulman Field
Terre Haute, IN 47803

Phone 812-877-2587

Engine Test Certificate

Pratt & Whitney	Engine	PT6A-42A	PCE RM0021			
Oil Type-Exxon 2380	Fuel Type-jetA					
Rating	SHP	Ng%	T5 Degrees R	SFC	Data Plate SPD	Class
Take Off	850	95%	1675	0.52649	35,489	CL 11
Vane Class Average	6.87 PT: 19.50					
AD Note	Date	Method				
All AD notes complied with,						

SERVICE BULLETINS COMPLIES WITH ON THIS OVERHAUL

3001,3002,3003,3044,3384,3387,3388,3389,3392,3398,3406,3409,3415,3419,3428, 3429,3430,3431,3432,3435,3437,3441,3443,3446,3451,3454,3458,3465,3466,3471, 3472,A3405,A3442

SIGNED- [Signature] DATE 10/14/2015

T5715				
PART	P/N	S/N	TOTAL CYCLES	CYCLES REM
REAR HUB	3053921-01	64B095	617	19383
DISK 2ND STG	3023112	A000ECFB	617	19383
DISK 3RD STG	3023113	A000ECED	617	19383
IMPELLER	3036793	4F507	9676	14324
CT DISK	3049291-01	A000EB4L	617	9383
CT BLADES	3123131-02	TSN: 1247.0	TSO: 0.00	
PT 1ST STG	3029312	A000EW48	617	29383
PT 2ND STG	3029313	A000ECAB	617	29383
ACCESSORIES INSTALLATION				
		S/N	TSO	
FUEL CONTROL	4138010-2	C77006	0.00	
FUEL PUMP	399701-2	5272	0.00	
BLEED VALVE HI/LOW	3128123-01	39A256	0.00	
BLEED VALVE HI/LOW	3123122-01	39A230	0.00	
FUEL/OIL HEATER	10585K	WA20500	0.00	
CSU	8210-007	12327949	0.00	
TORQ LIMITER	4138012-1	C79009	0.00	
SIGNED	<u>[Signature]</u>			
TOTAL	DATE <u>10/14/2015</u>			

TOTAL FROM PREVIOUS SUMMARY		Engine	PT6A-42A	PCE RM0021
TOTAL SINCE MFG.				

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

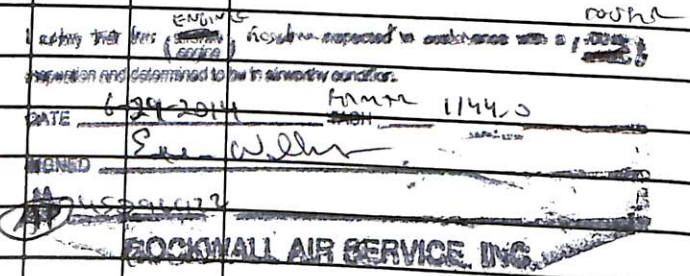
ENGINE SERVICE AND

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	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
5-20-2015 HMMR	1242	8			PERFORMED 100 HR INSPECTION. CONTROLS CHECKED AND OILS. INSPECTED ALL HOSES AND LINES, CHUCKER FOR LEAKS - OK RRB OIL SCREEN CHUCKER - OK. REINSTALLED CHIP DETECTOR CHECK FOR CONTAMINATION AND OPERATION. REPLACED FUEL FILTER. OIL SCREEN CHUCKER - OK. CHECKED ALTERNATOR AND A/C BELT TENSION - OK. ADD STREET OIL.
					I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION. A-P45396672 Eubel Rollins Air Service Inc.
TOTAL THIS PAGE					CARRIED FORWARD
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MCO					

ENGINE SERVICE AND

MAINTENANCE RECORD

10

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6-24-2014	1144.0				PERFORMED 100 HR INSPECTION. MAIN OIL STRAINER/FILTER REMOVED AND CHECKED - OK. R.G.B. OIL SCREW CHECKED - OK. CHIP DETECTOR OPERATIONAL CHECKS - OK. REPLACED FUEL FILTER. IGNITER WASH AND IGNITERS CHECKED - OK. CONTROLS CHECKED AND WIRING INSPECTED ALL LINES AND CHECKED FOR LEAKS - OK. EXHAUST INSPECTED - OK. P3 FILTER CHECKED - OK. FUEL NOZZLES REMOVED AND SENT TO HERMELT TURBINES FOR RECONDITION. RE-INSTALLED WITH NEW O-RINGS AND GASKETS. ENGINE WASHED.
					

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.		SIGNATURE	LICENCE NUMBER
3-22-15	FUEL CONTROL UNIT REMOVED AND SENT TO KANSAS AVIATION OF INDEPENDENCE FOR 6 YEAR BEARING REPLACE OR MID LIFE INSPECTION. REINSTALLED AFTER REPAIR. GROUND RUN UP AND NO IDLE SPEED SET. CHECKED NORMAL.	AP450966172 <i>Will</i>	ROCKWALL AIR SERVICE, INC.

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Aircraft Log

Page 1 of 1

CURTIS AIR

Date: May 29, 2014

Model: Piper PA-46-500TP

Hobbs 1136.0

176 Harrison St
Pittsfield, Maine 04967
(207) 487-5213

N388TW

Removed the old ignition exciter P/N 10-381550-4 S/N NN00282523 and replaced with an overhauled unit S/N 5010R020TTA. See 8130-3 from Trust Tech Aviation, Inc dated April 24, 2014. Installed a new starter relay P/N 102227-007 and ops checked OK.

Signed

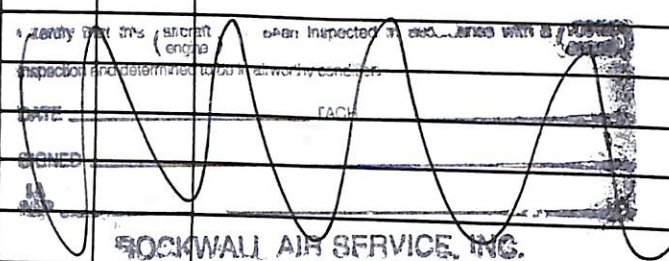
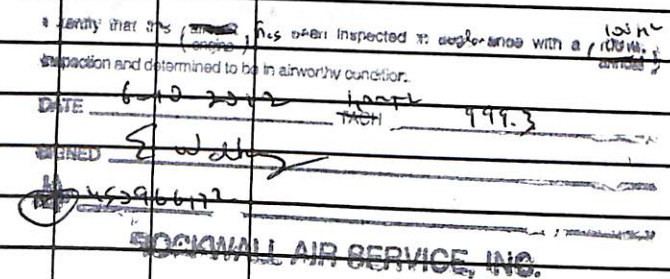
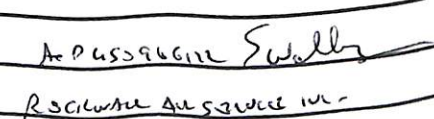
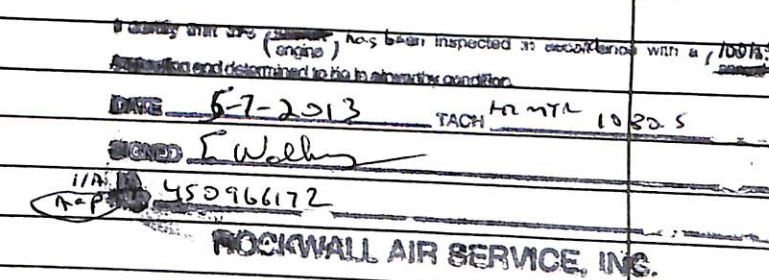
Caleb K Curtis

A&P 2679256

ENGINE SERVICE AND

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8

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BROUGHT FORWARD →								
6-13-2012	999	3			PERFORMED 100 HR INSPECTION. 16 MINUS CHECKS - OK. CONTROLS CHECKED AND LUBED. MAIN OIL SCREEN/FILTER CHECKED - OK. RGB SCREEN CHECKED - OK. CHIP DETECTOR OPERATIONAL CHECKED - OK. P3 FILTER CHECKED - OK. FUEL FILTER REPLACED. SERVICED WITH 1 QT BP 2380.	5-7-2013 PERFORMED 100 HR INSPECTION. INSPECTED ALL LINES AND CHECKED FOR LEAKS - OK. MAIN OIL SCREEN/FILTER REMOVED AND CHECKED - OK. REINSTALLED WITH NEW O-RINGS. INSPECTED IGN HARNESS AND IGNITER PLUGS - OK. REPLACED FUEL FILTER. CHIP DETECTOR CHECKED FOR OPERATION - OK. NO CONTAMINATION ON CHIP DETECTOR. CONTROLS CHECKED AND LUBED. EXHAUST INSPECTED. CHECKED OIL SCREEN IN RGB - OK. REINSTALLED WITH NEW O-RING. P3 FILTER CHECKED - OK. REINSTALLED. CHECKED BELT TENSION FOR A/C AND ALTERNATOR - OK. ENGINE WASHED AND SERVICED WITH 1 QT BP 2380.		
								
								
7-27-2012	1011	7			Remove starter generator and sent to quality. Aircraft accessories for O/H. Reinstalled after O/H.	9-18-2013 PERFORMED COMPRESSOR WASH WITH DEIONIZED WATER. RUN UP AFTER WASH CHECKED NORMAL.		
								
								
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MAXIMUM HOURS BETWEEN OVERHAULS

ROCKWALL AIR SERVICE, INC.

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BROUGHT FORWARD					
7-22-2008					ENGINE REMOVED, REMOVED AFB AND SENT TO PATTEN WHITNEY FOR INSPECTION AND REPAIR OF OIL PUMP, REINSTALLED AFB AND ENGINE, SEQUENCED WITH 9 QTS RP2380 AND NEW OIL PUMP. GROUND RUNNING CHECKED AND NO LEAKS DETECTED. IDLS SPEEDS CHECKED AND ADJUSTED AS REQUIRED.
8-9-2008					AP45596612 Sully ROCKWELL SERVICE INC
8-18-08					COMPRESSION WASH WITH WATER. AP45596612 Sully ROCKWELL SERVICE INC
9-18-08					COMPRESSION AND CT WASH WITH WATER. AP45596612 Sully ROCKWELL SERVICE INC
10-18-08					COMPRESSION AND CT WASH WITH WATER. AP45596612 Sully ROCKWELL SERVICE INC
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ENGINE SERVICE AND

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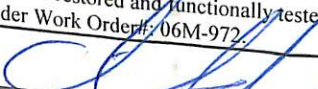
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4-14-2007					
H2 MTR	599	3			100 HR INSPECTION PERFORMED PER MANUAL 767-009. OIL FILTER, FUEL FILTER AND P3 AIR FILTER INSPECTED -OK. REMOVED 2 RINGS AND FILTER THAT ARE IN PTH 100H KIT. CONTROLS CHECKED AND LUBED. STARTER REMOVED, INSPECTED, CLEANED AND REPLACED BOWCHES (M2002-1). FUEL NOZZLES REMOVED AND SENT TO PRATT-WHITNEY FOR INSPECTION (SEE WD A07161). REINSTALLED AFTER INSPECTION WITH NEW DRIVES AND GASKETS. CHIP DETECTOR CHECK FOR OPERATION AND CONTAMINATION -OK. FUEL NOZZLES CHECK OUT GAIN 900 HRS.
I certify that this <u>engine</u> has been inspected in due <u>series</u> with a <u>100 hr.</u> <u>inspection</u> and determined to be in airworthy condition. DATE <u>4-14-2007</u> TAG# <u>599.3</u> SIGNED <u>[Signature]</u> IA <u>45296672</u> ROCKWALL AIR SERVICE INC.					

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.		SIGNATURE	LICENCE NUMBER
5-7-2008	100 HR INSPECTION PERFORMED PER MANUAL 767-009.		
H2 MTR 667.8	OIL SCREEN CHECKED, P3 FILTER CHECKED, FUEL FILTER REPLACED. CONTROLS CHECKED AND LUBED. IGNITERS CHECKED - OK. STARTER/GENERATOR CHECKED AND CLEANED. CHIP DETECTOR OPERATION CHECKED AND CHECKED FOR CONTAMINATION. PROP GEARBOX SCREEN CHECKED. FCM REMOVED AND SENT TO PRATT-WHITNEY FOR SIX YEAR REPLACEMENT OF DRIVE SHAFT BEARING. REINSTALLED AFTER REPAIR AND OPERATION CHECKED NORMAL. FUEL NOZZLES OUT INSPECTION BY H2 MTR 999.3.		
I certify that this <u>engine</u> has been inspected in due <u>series</u> with a <u>100 hr.</u> <u>inspection</u> and determined to be in airworthy condition. DATE <u>5-7-2008</u> TAG# <u>667.8</u> SIGNED <u>[Signature]</u> IA <u>45296672</u> ROCKWALL AIR SERVICE INC.			

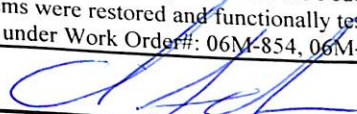
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	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
4-25-06					INSPECTION PER MANUAL 767-039 COMPLETED
TAMTC	S320				WITH FILTERS AND DRIVEN IN PTG 100 HR KIT
					REPAIRS. CHECK OIL SCREEN-OIL CHECKED
					CHEK DIRECTION REPRODUCTION AND CONTAMINATION-OIL
					CONTROLS CHECKED AND LUBR. ENGINE WAS OIL
					GROUNDS RUN UP CHECKED NORMAL.
					I certify that this aircraft has been inspected in detail and with a (100 hr.) engine inspection and determined to be in airworthy condition.
					DATE 4-25-06 TAMTC S320
					SIGNED E. W. Brown
					ID 453966177
					ROCKWALL AIR SERVICE, INC.

 ABQ • COS • DVT • ELP • PIX • RBD • SAT • SMO • TXI		Cutter Aviation Dallas, Inc. 5661 Mariner Dr. LB # 18 Dallas, TX 75237			
Registration:	N388TW	Engine Log Entry PCE-RM0021		Hour Meter	588.4
Model No.	PA46-500TP				
Serial No.	4697018				
Collected oil sample and filter for service bulletin 3426. Installed new filter, part number 3059258-01.					
The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-854					
Date: 11-14-2006		CRS# UXCR663X			
 Christopher Gradisar					

		Cutter Aviation Dallas, Inc. 5661 Mariner Dr. LB # 18 Dallas, TX 75237			
Registration:	N388TW	Engine Log Entry PCE-RM0021		Hour Meter	597.8
Model No.	PA46-500TP				
Serial No.	4697018				
Removed oil tank pressure relief valve and installed new valve part number 3102413-01 and cover part number 3102408-01.					
The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order # 06M-972.					
Date:	2-1-2007	CRS# UXCR663X  Christopher Gradisar			

		Cutter Aviation Dallas, Inc. 5661 Mariner Dr. LB # 18 Dallas, TX 75237			
Registration:	N388TW	Airframe Log Entry		Hour Meter	596.8
Model No.	PA46-500TP				
Serial No.	4697018				
Complied with service bulletin 1154A by replacing engine mount with new part number 102460-036 serial number 486178. Mount installed using piper service kit part number 767-515. Complied with service letter 1102 by relocating oil pressure transducer ground. Replaced beta block with new, part number 758-753. Replaced engine oil cooler hoses wit new, part numbers 566-371, 566-372.					
The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-854, 06M-873, 06M-926					
Date:	1-26-2007	CRS# UXCR663X	 Christopher Gradisar		

		Cutter Aviation Dallas, Inc. 5661 Mariner Dr. LB # 18 Dallas, TX 75237			
Registration:	N388TW	Engine Log Entry PCE-RM0021		Hour Meter	596.8
Model No.	PA46-500TP				
Serial No.	4697018				
Complied with P&W service bulletin 3426 by installation of increased diameter oil tubes. AGB repaired by P&W crs #TE2R184L under work order #143650. Replaced oil filter with new, part number 3059258-01.					
The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-854, 06M-926.					
Date: 1-26-2007		CRS# UXCR663X		 Christopher Gradisar	

LICENCE
NUMBER

TOT

TOTAL FROM
PREVIOUS SUMMARY

TOTAL

ENGINE SERVICE AND

MAINTENANCE RECORD

3

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					



DATE: 02/13/03 REG: N388TW S/N: 4697018 HOBBS: 274.7
ENGINE: PT6A-42A S/N: PCE-RM0021 TTSN: 274.7

Complied with an ANNUAL inspection in accordance with Piper PA46-500TP Maintenance Manual p/n 767-005 CHAPTER 5-20-00. Inspected oil filter and chip detector for metal particles. No metal found. Confirmed compliance with all applicable AD's thru biweekly 03-01. I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.

Cutter Aviation Dallas, Inc. David Reynolds IA. 458379893

**Pratt & Whitney**

A United Technologies Company

Pratt & Whitney Engine Services, Inc.

16445 Addison Road

Addison, Texas 75001

FAA CRS # TE2R184L

ACFT. TYPE:	ACFT. S/N: 4697018	ACFT. TTSN:	HOUR METER:
Piper Meridin	N#: N388TW	316.8	316.8
ENG. MODEL:	ENG. SN#	ENG. TTSN 316.8	ENG. TCSN:
PT6A-42A	PCE-RM0021	ENG. TSO N/A	ENG. CSO: N/A

Removed engine cowlings. Disassembled engine to gain access to AGB. Removed AGB to comply with S/B 3394. Repaired AGB by installing a new Main Oil Pump Housing P/N 3058270-01, 2 new Oil Pump Gears P/N 3008799, new Cover P/N 3030383, Overhauled Diaphragm P/N 3045735-01, 2 new Bearings P/N 3037278, new Starter Generator Gear P/N 3116489-01, new FCU Gear P/N 3104152-01, new Main Oil Pump Gear P/N 3008127, 1 new Seal P/N 3022374, 1 new Carbon Seal P/N 3036777, new Oil Filter P/N 3028419. Reassembled AGB. Reinstalled AGB. Reassembled engine. Reinstalled engine cowlings. Serviced engine with 8 qt's of BP 2380. Performed a satisfactory ground run and leak check. Complied with S/B 3394 this shop visit. All work performed I/A/W the Pratt & Whitney PT6A-42A Maintenance Manual P/N 3021442, Rev. 33 and applicable Service Bulletins.

This engine/aircraft has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under work order:

d03366

DATE: 7/2/2003

Approved Inspector:

Kevin Patterson

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PREVIOUS SUMMARYTOTAL
SINCE MFG.

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

3-8-2004 COMPLETED AN ANNUAL INSPECTION IN ACCORDANCE
H/M 361.2 WITH PIPER PA46-500TP MAINTENANCE MANUAL P/N 767-005.
OIL FILTER, FUEL FILTERS, AND P3-AIL FILTER INSPECTED -OK.
CHIP DETECTOR CHECKED FOR METAL PARTICLES AND
OPERATION -OK. CONTROLS CHECKED AND LUBED. STARTER
REMOVED, CLEANED AND BRUSHED INSPECTED -OK. 16VITL
PLUGS INSPECTED -OK. FUEL NOZZLES THAT WERE CLEANED
AND CERTIFIED BY PRATT-WHITNEY W/D NUMBER D 02309
MAY 2002 AT H/M 191.6 ARE DUE REINSPECTION BY
H/M 591.6 PER INSTRUCTIONS FROM P.W.

I certify that this (engine) has been inspected in accordance with a (100 hr. annual)
inspection and determined to be in airworthy condition.

DATE 3-8-2004 H/M 361.2

SIGNED

IA 458766172

ROCKWALL AIR SERVICE, INC.

4-29-2005 ENGINE INSPECTION PER INSPECTION MANUAL 767-005. STARTER REMOVED -
H/M 454.2 CLEANED AND BRUSHED CHECKED -OK. FILTERS AND DRUMS IN P/T 10042
KIT REPLACED. 16VITL PLUGS CHECKED -OK. CHIP DETECTOR CHECKED
FOR CONTAMINATION AND OPERATION -OK. CONTROLS CHECKED AND LUBED.
COMPRESSION AND CT WASH PERFORMED USING DIE-SPRINTED WATER.

I certify that this (engine) has been inspected in accordance with a (100 hr. annual)
inspection and determined to be in airworthy condition.

DATE 4-29-2005 H/M 454.2

SIGNED

IA 458766172

ROCKWALL AIR SERVICE, INC.

MAXIMUM HOURS BETWEEN OVERHAUL

Date: 9/21/2001 Aircraft: N388TW Type: PIPER PA46-500TP S/N: 4697018
Hobbs: 115.7, Total Time: 115.7
PT6A-42A S/N: PCO-RM0021 Time: 115.7

COMPLIED WITH SERVICE BULLETIN 1072 BY INSPECTION OF THE MASS AIR CONTROL VALVE AND FOUND THE MANUFACTURE DATE TO BE MARCH 2001 NO FUTHER ACTION IS REQUIRED. COMPLIED WITH SB 1077 BY COMPLING WITH PRATT & WHITNEY SERVICE BULLETIN 3387 PART A AND FOUND TEMERATURES SATISFACTORY COMPLIED WITH PART B BY REIDENTIFYING THE OIL TO FUEL HEATER PART NUMBER. COMPLIED WITH SERVICE BULLETIN 1080 BY REMOVING FUEL PUMP S/N B9638 INSTALLING A LEAR ROMEC FUEL PUMP P/N RG34720G/M (461-757) S/N B9813.

DATE: 9/21/2001

SIGNED: 

CERT NO: 452960310

Henley's Aircraft Services, Inc.
15841 Addison Road
Addison, TX 75001
972-934-0875 800-373-6524

ENGINE MODEL (#1):
PT6A-42A
ENGINE S/N (#1): RM0021
REG. NO: N388TW
WORK ORDER: 536-11-2001

The New Piper Aircraft, Inc.

2926 Piper Drive
Vero Beach, FL 32960
Repair Station No. MMF 321-10

DATE: 12/21/2001
TTA: 147.6
ENGINE TT (#1): 147.6
ENGINE TC (#1):
ENGINE TCSO (#1):
HOBBS: 147.6

Engine #1 Entries

SB 1091 complied with removed vernatherm pn 726244-2 ser#7030 installed new vernatherm pn ser#333 installed stewart warner kit G727596 installed new data plate indicating new stewart warner pn 10585j-k leak check acceptable.... Removed oil filter, oil filter housing and oil pressure relief valve. Added two (2) 3100614-01 shims to oil pressure relief valve and reinstalled per manufactures specs. Cleaned oil filter and inspected for metal debris none found. Serviced engine with 2380 turbine oil. Leak and pressure check required....

The aircraft, airframe, engine, propeller or appliance identified above was inspected, tested, repaired, rebuilt, modified or upgraded in accordance with Title 14 of the Code of Federal Regulations (CFR), Manufacture's Process Spec. and Type Design Data and is approved for return to service. Pertinent details of Customer Acceptance Items/Maintenance are on file at this facility under the work order number listed above.

DATE: 12/21/2001

SIGNED: 

Certified Repair Station No. MMF 321-10

WORK ORDER: 536-11-2001

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REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Engines Services, Inc.

16445 Addison Road
Dallas, TX 75248

FAA AND JAA CRS # TE2R184L

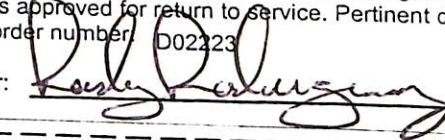
ACFT. TYPE:	ACFT. S/N:	ACFT. TTSN:	HOURLY METER:
Piper Meridin	N#: N388TW		115.7
ENG. MODEL:	ENG. SN#	ENG. TTSN: 115.7	ENG. TCSN: 116
PT6A-42A	PC-E RM0021	ENG. TSO: N/A	ENG. CSO: N/A

Traveled to Henley's to troubleshoot oil leak. Pilot reports oil leaking out of gang drain only during long flights. Bagged all drain lines and performed engine run. Engine oil pressure 104psi at taxi and 114psi at 80% ng for 10min. No leaks noted at this time. Recommended further evaluation.

This engine/aircraft has been inspected/repared/modified in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under work order number D02223

DATE: 4/9/2002

Approved Inspector:



Rudy Rodriguez

Date: 5/14/2002 Aircraft: N388TW Type: PIPER PA46-500TP S/N: 4697018
Hobbs: 191.6, Total Time: 191.6
PT6A-42A S/N: PCO-RM0021 Time: 191.6

COMPLIED WITH AN EVENT #2 INSPECTION AS PER PIPER AIRCRAFT MALIBU MERIDIAN 100 HOUR PROGRESSIVE INSPECTION MANUAL P/N 767-009. REMOVED AND REINSTALLED FUEL NOZZLES AFTER CLEANING AND RECERTIFICATION BY PRATT AND WHITNEY. TEST RAN ENGINE AND FOUND NO DESCREPARNCIES.

DATE: 5/14/2002

SIGNED: 

CERT NO: 452960310

Henley's Aircraft Services, Inc.
15841 Addison Road
Addison, TX 75001
972-934-0875 800-373-6524

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

[illegible]

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.		SIGNATURE	LICENCE NUMBER
Ng/70 35300 RPM, AT 850 SHP/6/0 ITT TRIM: 35.7 C° T5 TRIM RESISTANCE: 34.7 OHMS.		(261) M. DUNCAN <i>[Signature]</i>	TC 4-50 NO. 025
Date: 2/02/2001 Aircraft: N388TW Type: PIPER PA46-500TP S/N: 4697018 Hobbs: 49, Total Time: 49 PT6A-42A S/N: PCO-RM0021 Time: 49 REMOVED STARTER GENERATOR P/N 2005GL145Q S/N 3818 AND INSTALLED A NEW STARTER GENERATOR P/N 2005GL145Q S/N 4184. CHECKED SYSTEM ON ENGNE GROUND RUN. SYSTEM CHECKED SATISFACTORY.			
DATE: 2/02/2001 SIGNED: <i>Scotty L...</i> CERT NO: AP 454597769			
Henley's Aircraft Sercvices, Inc. 15841 Addison Road Addison, TX 75001 972-934-0875 800-373-6524			
Date: 7/18/2001 Aircraft: N388TW Type: PIPER PA46-500TP S/N: 4697018 Hobbs: 105.1, Total Time: 105.1 PT6A-42A S/N: PCO-RM0021 Time: 105.1 COMPLIED WITH A 100 HOUR PROGRESSIVE INSPECTION EVENT 1 AS PER MERIDIAN INSPECTION FORM P/N 767-009.			
I certify that this engine has been inspected in accordance with a 100 HOUR INSPECTION and was determined to be in an airworthy condition.			
DATE: 7/18/2001 SIGNED: <i>[Signature]</i> CERT NO: 452960310IA			
Henley's Aircraft Services, Inc. 15841 Addison Road Addison, TX 75001 972-934-0875 800-373-6524			

ENGINE LOG

1. Make
2. Model
3. Specification
4. Manufacturer's Serial Number
5. Date of Manufacture
6. Aircraft Inspection Cycle

PRATT AND WHITNEY CANADA CORP.

PT6A- 42A

1011 (E.T.C.E.- 12)

PCE- RM0021

AUGUST 2000

THIS ENGINE SERVICED WITH
EXXON TURBO 2380
OIL AT THE PIPER FACTORY

Cycle Count As Of DEC 16 2000

Number of Cycles 7