



Transport
Canada

Transports
Canada

TP 14182E



(Revised 05/2005)

Engine Logbook

Canada

Volume #: 1
Opened on: 20 OCT 2006

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.
2. Type/Model/Series PT6A-42A B/S: 1192
3. Serial Number PCE-RM0307

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

CYCLE COUNT AS OF DEC 07 2006
NUMBER OF CYCLES 6

Other related Transport Canada Publications:

TP 14089B
TP 14058E/F

Previous Edition:

TP 3910E, 2nd Edition (Jan. 1987)
TP 14182E (Dec. 2003)

Printed in Canada.

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TP 14182E
(05/2005)
TC-1001185
Catalogue No. T52-4/2-2003E

Section 1: Record of engine maintenance and elementary work

[illegible]

Engine		Columbia Air Services, Inc.		Page 1 of 1	
LOG BOOK ENTRY		LOG BOOK ENTRY			
A/C REG:	N1066D/N626AR	A/C S/N:	4697286		
DATE:	06/22/07	A/C TOTAL TIME:	76.8	HOUR METER:	76.8
W/O NO:	MWO-07-2144	ENGINE TOTAL TIME	76.8	S.M.O.H.	
<p>1. Complied with 1st 50 Hour Inspection per The New Piper Aircraft, Inc. Warrantable 1st 50 Hour Inspection Report, P/N: 765-041.</p> <p>2. Complied with minor, routine and 100 hour inspection items in accordance with P&WC PT6A-64 M.M. chapter 72-00-00 Table 601.</p> <p>3. P&WC SB 3426A, Replacement/modification of the reduction gearbox scavenge line, has been incorporated per P&WC engine build record status. No action required.</p> <p>4. Performed first stage compressor FOD inspection in accordance with P&WC PT6A-42A M.M. chapter 72-30-05, found to be satisfactory.</p> <p>5. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. chapter 71-00-00.</p> <p>6. Obtained oil sample and oil filter rinse patch for analysis.</p> <p>7. Removed and replaced one (1) igniter with new, P/N: CH34055.</p> <p>8. Resafetied engine control-safeties as required.</p> <p>9. Performed post inspection ground run, operational and leak checks satisfactory.</p> <p>-----END-----</p>					
<p>Maintenance Release</p> <p>The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:</p> <p>W/O# MWO-07-2144 Date: 06/22/07 Signed: <i>[Signature]</i></p> <p>For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340</p>					

Engine		Columbia Air Services, Inc.		Page 1 of 1	
LOG BOOK ENTRY		LOG BOOK ENTRY			
A/C REG:	N626AR	A/C S/N:	4697286		
DATE:	12/16/08	A/C TOTAL TIME:	219.9	HOUR METER:	219.9
W/O NO:	MWO-08-2548	ENGINE TOTAL TIME	219.9	S.M.O.H.	
<p>1. Complied with Annual Inspection per Piper Aircraft, Inc. PA-46-500TP, Malibu Meridian M.M. Event 1 & 2 checklists chapter 5-20-00.</p> <p>2. Performed first stage compressor F.O.D. inspection per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-30-05, found to be satisfactory.</p> <p>3. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00.</p> <p>4. Complied with minor, routine and 100 hour inspection items per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-00-00 Table 601.</p> <p>5. Complied with Piper SL 1110 by treating inlet case with LPS Procyon corrosion inhibitor in accordance with P&WC PT6A-42A M.M. chapter 72-20-00.</p> <p>6. Obtained oil sample and oil filter rinse patch for analysis.</p> <p>7. Removed and replaced one (1) igniter with new, P/N: CH34055.</p> <p>8. Performed post inspection engine ground runs, operational and leak checks satisfactory.</p> <p>-----END-----</p>					
<p>Maintenance Release</p> <p>The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:</p> <p>W/O# MWO-08-2548 Date: 12/16/08 Signed: <i>[Signature]</i></p> <p>For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340</p>					

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Engine		Columbia Air Services, Inc.		Page 1 of 1	
LOG BOOK ENTRY		LOG BOOK ENTRY			
A/C REG:	N626AR	A/C S/N:	4697286		
DATE:	08/13/07	A/C TOTAL TIME:	91.8	HOUR METER:	91.8
W/O NO:	MWO-07-2206	ENGINE TOTAL TIME	91.8	S.M.O.H.	
<p>1. Removed and replaced fuel control unit with a repaired unit, P/N: 4138014-1 S/N: C82062. Ref. Honeywell Aerospatiale (Montreal, Canada) W/O# 015861000. Work performed in accordance with P&WC PT6A-42A M.M. chapter 73-20-00 and The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 76-10-00. (S/N removed: C82117)</p> <p>2. Performed aircraft test flight and engine ground run, operational and leak checks satisfactory.</p> <p>-----END-----</p>					
<p>Maintenance Release</p> <p>The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:</p> <p>W/O# MWO-07-2206 Date: 08/13/07 Signed: <i>[Signature]</i></p> <p>For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340</p>					

Engine		Columbia Air Services, Inc.		Page 1 of 1	
LOG BOOK ENTRY		LOG BOOK ENTRY			
A/C REG:	N626AR	A/C S/N:	4697286		
DATE:	12/08/09	A/C TOTAL TIME:	291.4	HOUR METER:	291.4
W/O NO:	MWO-09-3057	ENGINE TOTAL TIME	291.4	S.M.O.H.	
<p>1. Complied with Annual Inspection per Piper Aircraft, Inc. PA-46-500TP, Malibu Meridian M.M. Event 1 & 2 checklists chapter 5-20-00.</p> <p>2. Performed first stage compressor F.O.D. inspection per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-30-05, found to be satisfactory.</p> <p>3. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00.</p> <p>4. Complied with minor, routine and 100 hour inspection items per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-00-00 Table 601.</p> <p>5. Complied with Piper SL 1110 by treating inlet case with LPS Procyon corrosion inhibitor in accordance with P&WC PT6A-42A M.M. chapter 72-20-00.</p> <p>6. Obtained oil sample and oil filter rinse patch for analysis.</p> <p>7. Removed and replaced beta feedback carbon block with new, P/N: CA3026</p> <p>8. Removed and replaced one (1) igniter with new, P/N: CH34055.</p> <p>9. Performed post inspection engine ground runs, operational and leak checks satisfactory.</p> <p>-----END-----</p>					
<p>Maintenance Release</p> <p>The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:</p> <p>W/O# MWO-09-3057 Date: 12/08/09 Signed: <i>[Signature]</i></p> <p>For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340</p>					

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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Engine		Columbia Air Services, Inc.		Page 1 of 1
LOG BOOK ENTRY		A/C REG: N626AR		A/C S/N: 4697286
DATE: 12/17/07	A/C TOTAL TIME: 135.9	HOUR METER: 135.9		
W/O NO: MWO-07-2316	ENGINE TOTAL TIME 135.9	S.M.O.H.		
1. Complied with Annual Inspection per The New Piper Aircraft, Inc. PA-46-500TP, Malibu Meridian Maintenance Manual chapter 5-20-00. 2. Performed first stage compressor F.O.D. inspection per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-30-05, found to be satisfactory. 3. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00. 4. Complied with minor, routine and 100 hour inspection items per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-00-00 Table 601. 5. Obtained oil sample and oil filter rinse patch for analysis. 6. Removed and replaced igniters with new, P/N: CH340555 (Qty 2). 7. Reset and resafetied alternator and air conditioner compressor belt tensions. 8. Inspected T5 indicating system in accordance with P&WC PT6A-42 M.M. P/N: 3021442 chapters 77-20-00 and 77-20-01. Found to be satisfactory. 9. Performed post inspection engine ground runs, operational and leak checks satisfactory. -----END-----				
Maintenance Release The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under: W/O# MWO-07-2316 Date: 12/17/07 Signed: <i>[Signature]</i> For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340				

Engine		Columbia Air Services, Inc.		Page 1 of 1
LOG BOOK ENTRY		A/C REG: N626AR		A/C S/N: 4697286
DATE: 06/30/09	A/C TOTAL TIME: 265.6	HOUR METER: 265.6		
W/O NO: MWO-09-2852	ENGINE TOTAL TIME 265.6	S.M.O.H.		
1. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00. 2. Performed engine ground run, operational and leak check satisfactory. -----END-----				
Maintenance Release The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under: W/O# MWO-09-2852 Date: 06/30/09 Signed: <i>[Signature]</i> For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340				

Engine		Columbia Air Services, Inc.		Page 1 of 1
LOG BOOK ENTRY		A/C REG: N626AR		A/C S/N: 4697286
DATE: 06/11/10	A/C TOTAL TIME: 322.4	HOUR METER: 322.4		
W/O NO: MWO-10-3253	ENGINE TOTAL TIME 322.4	S.M.O.H.		
1. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00 and Piper SL 1110. 2. Performed engine ground run, operational and leak check satisfactory. -----END-----				
Maintenance Release The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under: W/O# MWO-10-3253 Date: 06/11/10 Signed: <i>[Signature]</i> For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340				

Engine		Columbia Air Services, Inc.		Page 1 of 2
LOG BOOK ENTRY		A/C REG: N626AR		A/C S/N: 4697286
DATE: 12/03/10	A/C TOTAL TIME: 357.3	HOUR METER: 357.3		
W/O NO: MWO-10-3441	ENGINE TOTAL TIME 357.3	S.M.O.H.		
1. Complied with Annual Inspection per Piper Aircraft, Inc. PA-46-500TP, Malibu Meridian M.M. Event 1 & 2 checklists chapter 5-20-00. 2. Complied with Piper 400 hour fuel manifold adapter and nozzle assemblies special inspection. Removed, cleaned, inspected, flow checked, and reinstalled fuel manifold adapters and nozzle assemblies in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 73-10-05. Performed borescope inspection of hot section, found to be satisfactory. 3. Performed first stage compressor F.O.D. inspection per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-30-05, found to be satisfactory. 4. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00. 5. Complied with minor, routine and 100 hour inspection items per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-00-00 Table 601. 6. Piper SB 1214A, Compressor turbine blade inspection, does not apply. Researched aircraft records CT discs have not been replaced within the last 500 hours of operation. No action required. 7. Complied with Piper SL 1110, Inlet case corrosion protection. Applied corrosion inhibitor LPS PWC-15-017 LPS Procyon in accordance with PWC SIL PT6A-144R1 and P&WC PT6A-42A M.M. P/N: 3021442 chapters 72-00-00 TR 72-19 & 72-20-00 6. Obtained oil sample and oil filter rinse patch for analysis. -----CONTINUED-----				

Engine Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

8. Performed post inspection engine ground runs, operational and leak checks satisfactory.

-----END-----

WO NO.

MWO-10-3441

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340FAA Repair Station #SOSR204N, Work Order # MWO-10-3441
I certify that this Engine has been inspected in accordance with
an Annual Inspection per Piper Aircraft, Inc. PA-46-500TP
Malibu Meridian Maintenance Manual Event 1 & 2 Checklists
chapter 5-20-00 and has been found airworthy for the work
performed.
Date: 12/03/10 A/C Total Time: 257.3
Signature: *[Signature]*
Title: Chief InspectorMaintenance Release
The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation
Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:
W O# MWO-10-3441 Date: 12/03/10 Signed: *[Signature]*
For Columbia Air Services, Inc., FAA Certified Repair Station # SOSR204N Groton-New London Airport Groton, CT 06340

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N626AR

A/C S/N: 4697286

DATE: 12/14/12

A/C TOTAL TIME: 458.6

HOUR METER: 458.6

W/O NO: MWO-12-4096

ENGINE TOTAL TIME 458.6

S.M.O.H.

1. Complied with Annual Inspection per Piper Aircraft, Inc. PA-46-500TP, Malibu Meridian M.M. Event 1 & 2 checklists chapter 5-20-00. Researched AD's through Bi-Weekly 2012-24.
2. Performed first stage compressor F.O.D. inspection per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-30-05, found to be satisfactory.
3. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00.
4. Performed T5 internal loop and insulation resistance checks.
5. Complied with minor, routine and 100 hour inspection items per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-00-00 Table 601.
6. AD 2012-09-10 amend. 39-17045 dated 5/23/12, Timken Alcor Aerospace Technologies, Inc. (TAATI) first stage sun gear or planet gear sets, does not apply. Researched aircraft and engine build records. Engine is not equipped with TAATI first stage sun gear or planet gear sets. No action required.
7. Complied with Piper SL 1110, Inlet case corrosion protection. Applied corrosion inhibitor LPS PWC-15-017 LPS Procyon in accordance with PWC SIL PT6A-144R1 and P&WC PT6A-42A M.M. P/N: 3021442 chapters 72-00-00 TR 72-19 & 72-20-00. Next due: 510.4 ACTT.
8. Complied with Piper SL 1155, Ground idle adjustment. Adjusted ground idle targeting per SL instructions. No further action required.
9. Obtained oil sample and oil filter rinse patch for analysis.
10. Performed post inspection engine ground runs, operational and leak checks satisfactory.

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340
FAA Repair Station #SOSR204N, Work Order # MWO-12-4096
I certify that this Engine has been inspected in accordance with
an Annual Inspection per Piper Aircraft, Inc. PA-46-500TP
Malibu Meridian Maintenance Manual Event 1 & 2 Checklists
chapter 5-20-00 and has been found airworthy for the work
performed.
Date: 12/14/12 A/C Total Time: 458.6
Signature: *[Signature]*

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N626AR

A/C S/N: 4697286

DATE: 12/21/11

A/C TOTAL TIME: 410.4

HOUR METER: 410.4

W/O NO: MWO-11-3786

ENGINE TOTAL TIME 410.4

S.M.O.H.

1. Complied with Annual Inspection per Piper Aircraft, Inc. PA-46-500TP, Malibu Meridian M.M. Event 1 & 2 checklists chapter 5-20-00. Researched AD's through Bi-Weekly 2011-25.
2. Performed first stage compressor F.O.D. inspection per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-30-05, found to be satisfactory.
3. Performed compressor power recovery wash in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 71-00-00.
4. Performed T5 internal loop and insulation resistance checks.
5. Complied with minor, routine and 100 hour inspection items per P&WC PT6A-42A M.M. P/N: 3021442 chapter 72-00-00 Table 601.
6. Complied with Piper SL 1110, Inlet case corrosion protection. Applied corrosion inhibitor LPS PWC-15-017 LPS Procyon in accordance with PWC SIL PT6A-144R1 and P&WC PT6A-42A M.M. P/N: 3021442 chapters 72-00-00 TR 72-19 & 72-20-00. Next due: 510.4 ACTT.
7. Obtained oil sample and oil filter rinse patch for analysis.
8. Removed and replaced oil pressure tube o-rings with new, PN: AS3209-017 (Qty 1) & AS3209-114 (Qty 4) in accordance with P&WC PT6A-42A M.M. P/N: 3021442 chapter 79-20-01. Leak check satisfactory.
9. Removed and replaced beta feedback carbon block with new, P/N: CA3026.
10. Performed post inspection engine ground runs, operational and leak checks satisfactory.

-----END-----

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340FAA Repair Station #SOSR204N, Work Order # MWO-11-3786
I certify that this Engine has been inspected in accordance with
an Annual Inspection per Piper Aircraft, Inc. PA-46-500TP
Malibu Meridian Maintenance Manual Event 1 & 2 Checklists
chapter 5-20-00 and has been found airworthy for the work
performed.
Date: 12/21/11 A/C Total Time: 410.4
Signature: *[Signature]*
Title: Chief InspectorEPPS
Aviation

AIRCRAFT REG: N277WT

DATE: 4/16/14

MFG: Pratt & Whitney

WORK PACKAGE: P4801

MODEL: PT6A-42A

TACH TIME: na

SERIAL: PCE-RM0307

TOTAL TIME: 625.0

HOUR METER: 625.0

TSMOH: na

Performed 100 hour service and inspection accordance with in FAR43 Appendix D inspection guidelines. and Pa-46-500 Inspection guide as a guide. Performed pre-inspection ground run. Removed oil filter and performed a patch sample to be sent out for material spectrographic analysis. Removed and inspected fuel in-let and discharge filters. Cleaned and re-installed fuel in-let filter with new o-ring and installed new fuel discharge filter p/n: 3059779-01 with new o-ring. Removed, inspected, cleaned and re-installed P3 filter with new o-rings. Removed, inspected, cleaned and re-installed RGB chip detector. Replaced AGB chip detector with new p/n: 3045951-02. Operational check of both chip detectors check; Good. Removed, inspected, cleaned and re-installed RGB screen with new o-ring. Serviced engine with 2 quarts of BP2380. Lubricated all engine control linkages and cam assembly. Performed post inspection ground run. Operational and leak checks: Good. Installed new Beta Brush Block P/N: CA3026 beta brush block referencing Chptr.61-10 of Meridian maint. manual. Installed new P/N: 73965-024 A/C compressor and P/N: 73965-023 alternator drive belts referencing Chptr.21-50 and Chptr.24-30 of Meridian maint. manual. Installed 2 new P/N: CH34055 igniters referencing Chptr.74-20 of Meridian maint. manual. Operational checks of ignition system are satisfactory. Installed new AGB chip detector p/n: 3045951-02 s/n: ABT438. Operational check; Good. Referenced the Piper maintenance manual 12-10-00. Removed compressor inlet screen and inspected inlet case for corrosion and/or damage. Inspected first stage compressor blades. No discrepancies found at this time. Applied a thin coat of Procyon Corrosion Inhibitor to the inlet case. Complied with Pratt & Whitney Service Bulletin 3406 when installing compressor inlet screen by following Accomplishment Instructions under paragraph 3. and removed exiting washers from mounting flange. Performed Compressor Desalination Wash and Compressor Turbine Desalination Wash. Referenced the Pratt & Whitney maintenance manual 71-00-00.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no.

P4801

Signed: *[Signature]* Eddie S. Taylor
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Section 1: Record of engine maintenance and elementary work



AIRCRAFT REG: N277WT
MFG: Pratt & Whitney
MODEL: PT6A-42A
SERIAL: PCE RM0307
HOUR METER: 816.8
DATE: 5/16/16
WORK PACKAGE: P5821
TSMOH: N/A
TOTAL TIME: 816.8
TIME SINCE HS: N/A
TOTAL CYCLES/LANDINGS: N/A

Performed 100 hour inspection and service on engine and engine related components. Ground ran aircraft. Removed and cleaned engine oil filter while collecting a patch kit sample to be sent out for analysis. Re-installed oil filter with new orings. Removed, inspected, cleaned and performed operational check of both magnetic chip detectors, then re-installed with new orings. Inspected AGB and RGB screens. No finding noted in oil system at this time. Inspected, cleaned and re-installed P3 filter. No findings noted at this time. Inspected then replaced fuel discharge filter p/n: 3059779-01. Pressurized fuel system. Leak check; Good. No finding noted in fuel system at this time. Inspected and performed operational check of exciter box and igniter plugs. Ignition system is in satisfactory condition at this time. Cleaned external engine components and inlet housing. Applied "Corrosion X" corrosion inhibitor to compressor inlet housing. Installed new Beta Brush Block p/n: A3026. Complied with Piper 400 hour Inspection of fuel manifold adaptor and nozzle assemblies. Removed and sent out nozzles for inspection, cleaning and flow check. Re-installed nozzles with new orings and gaskets. Performed borescope inspection of inlet and hot section. No discrepancies noted at this time. Performed wet and dry motor runs. Performed compressor and compressor turbine desalination rinses. Ground ran aircraft. Leak check; Good. Complied with Piper SB 1296 FCU Override Inspection (P&WC SB A3487, category 3 inspection.) dated March 31, 2016 by following Accomplishment Instructions A-G and I in this bulletin. MOR allows for full power (1310 ft.lbs. of Tq @ 200 RPM) operation.

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The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P5821

Signed: Joseph Jordan
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

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AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
HOUR METER: 831.4
DATE: 14-Jul-2016
WORK PACKAGE: P5928
TACH TIME: N/A
TOTAL TIME: Unknown
TOT CYCLES/LANDINGS: N/A

Charged aircraft battery overnight.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P5928.

Signed: JOE JORDAN
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1



AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
HOUR METER: 852.2
DATE: 14-Oct-2016
WORK PACKAGE: T15023
TACH TIME:
TOTAL TIME:
TOT CYCLES/LANDINGS:

Reinstalled starter generator p/n 200SGL145Q s/n 6809 after overhaul in reference with Piper PA46-500TP maintenance manual chapter 24-30-00.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. T15023.

Signed: DAVID BIRD
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1



AIRCRAFT REG: N277WT
MFG: Pratt & Whitney
MODEL: PT6A-42A
SERIAL: PCE RM0307
HOUR METER: 876.9
CYCLES/LANDINGS:
DATE: 29-Nov-2016
WORK PACKAGE: P6123
TSMOH: N/A
TIME SINCE HS: N/A
TOTAL TIME: 876.9
CYCLES SINCE HS:

Performed compressor and compressor turbine desalination rinses. Ground ran aircraft at 80% Ng for more than 1 minute to completely dry engine.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P6123.

Signed: JOE JORDAN
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

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Sectic



AIRCRAFT REG: N277WT
MFG: Pratt & Whitney
MODEL: PT6A-42A
SERIAL: PCE-RM0307
HOUR METER: 960.9
CYCLES/LANDINGS: N/A

DATE: 02-Oct-2017
WORK PACKAGE: P6459
TSMOH: N/A
TIME SINCE HS: N/A
TOTAL TIME: 960.9
CYCLES SINCE HS: N/A

Performed 100 hour inspection and service on this Engine. Removed, cleaned and re-installed P-3 filter element. Installed new main oil filter element P/N: 3059258. Collected oil patch sample kit to be sent out for analysis. Inspected and replaced fuel discharge filter p/n: 3059779-01. Inspected and performed operational test on both chip detectors. Inspected AGB and RGB screens. Replaced both igniters p/n: CH34055. Fitted and installed new P/N: CH53399-02, RH ignition lead. Cleaned out old corrosion inhibitor compound residual and applied "Corrosion-X" corrosion inhibitor compound to compressor inlet housing. Performed Visual Inspection through exhaust duct as described in P&W maintenance manual 71-00-00 due to exceedance found on MFD. No discrepancies found at this time. Performed compressor performance recovery wash and compressor turbine desalination wash. Adjusted FCU run stop and fine idle adjustment nut, to bring the RPM to 1280 and the NG to 64% at idle with Bleed Air, Generator and A/C on. Performed post maintenance ground performance run on the aircraft. Operational and leak checks are satisfactory at this time.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P6459.

Signed:  JOE JORDAN
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

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AIRCRAFT REG: N277WT
MFG: Pratt and Whitney
MODEL: PT6A-42A
SERIAL: PCE-RM0307
HOUR METER: 1060.3

DATE: 20-Nov-2019
WORK PACKAGE: P7388
TACH TIME:
TOTAL TIME:
TSMOH:

Performed 100 hour inspection and service on this Engine. Removed, cleaned and re-installed P-3 filter element. Installed new main oil filter element P/N: 3059258. Inspected and replaced fuel discharge filter p/n: 3059779-01. Inspected and performed operational test on both chip detectors. Inspected AGB and RGB screens. Replaced both igniters p/n: CH34055. Removed Heat Exchanger P/n 102505-002 S/N 988. Installed NEW Heat Exchanger P/n 102505-002 S/N 1354 ref PA 46 500 TP MM Chapter 21-40-00 page 2. Treated Intake with corrosion X

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P7388.

Signed:  STEVE TAYLOR
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

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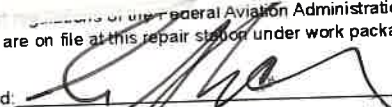
AIRCRAFT REG: N277WT
MFG: P&W
MODEL: PT6-42A
SERIAL: PCE-RM0307
HOUR METER:
CYCLES/LANDINGS: 1087

DATE: 28-Jul-2020
WORK PACKAGE: P7592
TSMOH:
TIME SINCE HS:
TOTAL TIME: 1,087.1
CYCLES SINCE HS:

Engine Exceedance recorded: 1055 degrees C for 08 seconds. Referenced Pratt & Whitney maintenance manual 71-00-00 figure 502. This exceedance is in area C. Removed Hot Section for inter-turbine temperature (ITT) exceedance during start. HST Inspection completed by Dallas Airmotive Ref P&W Deviation Letter DAA2020-474-PT6A-42A-RM007, CRM CASE PWC-14934-N4N5. Installed Repaired Small Exit Duct Assy P/n 3100591-03 s/n U10022KFM with New Segment p/n 3071525CL06, see Dallas Airmotive 8130-3, dated 25-June-2020, w/o 2194613 for details. Installed Repaired CT Disk p/n 3049291-01 s/n A00234TC with 31 overhauled and 27 new CT blades p/n 3123131, see Dallas Airmotive 8130-3, dated 25-June-2020, w/o 214613 for details. Installed (qty: 14) Inspected and Simplex Fuel Nozzles, see Dallas Airmotive 8130-3, dated 25-June-2020, w/o 2194613 for details. Installed Inspected Inner Combustion Liner P/n 3114842-01 s/n A0022FD3, see Dallas Airmotive 2194613, dated 25-June-2020 for details. Reassembled HSI Checked Turbine. Tip clearance found within limitations. Ref PT6A-42A MM 72-00 thru 72-50. Torque Wrench ID P- TA002. Completed Post Inspection Ground Run. All checks found within limits.

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The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P7592.

Signed:  STEVE TAYLOR
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

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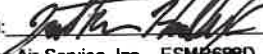


AIRCRAFT REG: N277WT
MFG: P&W
MODEL: PT6A-42A
SERIAL: PCE-RM0307
HOUR METER: 1181.9
CYCLES/LANDINGS: Unknown

DATE: 03/16/2022
WORK PACKAGE: P8214
TSMOH: Unknown
TIME SINCE HS: 94.8
TOTAL TIME: 1181.9
CYCLES SINCE HS: Unknown

Performed minor and routine inspection and service on this Engine. Removed, cleaned and re-installed P-3 filter element. Removed, cleaned, inspected, and reinstalled the oil filter element. Collected oil sample and sent out for analysis. Inspected fuel discharge filter. No discrepancies noted. Inspected and performed operational test on both chip detectors. No discrepancies noted. Inspected AGB and RGB screens. No discrepancies noted. Removed, inspected, and discarded old igniters. Installed two new igniters. Performed turbine compressor rinse. Removed old air inlet screen and installed a new a screen P/N: 3072234-01. Performed post maintenance ground performance run on the aircraft. Operational and leak checks are satisfactory at this time.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P8214.

Signed:  SETH HADDIX
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

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