

ENGINE LOG

1. Make Pratt & Whitney Canada Corp.
2. Model PT6A- 42A
3. Specification B/S: 1192 E.T.C. E- 12
4. Manufacturer's Serial Number PCE- RM0247
5. Date of Manufacture JUNE 2005
6. Aircraft Inspection Cycle _____

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

CYCLE COUNT AS OF MAR 17 2006

NUMBER OF CYCLES 5

ENGINE SERVICE AND

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

DATE	TIME RUN		TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.
06 JULY 2005	00	00	00	00
17 NOV 2005	1	07		
23 DEC 2005	01	42		
23 DEC 2005	01	42		

BROUGHT FORWARD

New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.

ENGINE REMOVED DUE TO STATIONARY PROPELLER BLADE HUB. ALL WORK HAS MET STANDARDS OF AIRWORTHINESS. PER RPT.

This engine was returned from New Piper Aircraft Inc. to P&WC engine manufacturing center for investigation. This engine has been inspected, disassembled, repaired, and reassembled with the following parts replaced:

- QTY 1 - 3112696-03 Ball Bearing
- QTY 1 - 3054064-01 Shaft-Propeller (Detail) 3048695-01
- QTY 1 - 3036488 Bearing - Ball Flanged (Detail) 3102227-01
- QTY 1 - 3119975-01 Housing Assy-Prop Redn G.B. FR
- QTY 1 - 3035889 Exciter-Ignition

Engine final acceptance test completed satisfactorily and is in condition for safe operation.



DATE 4/18/2006 # 2QE S/N# 4697247
 SMOH Engine #1 Engine #2
 HM 42.7 TT

CONDUCTED A COMPRESSOR RINSE I.A.W PRATT & WHITNEY MM AND PIPER MERIDIAN MM OPS CHECK OK AIRCRAFT APPROVED FOR RETURN TO SERVICE.
 EVAN LOBDELL A&P167663518

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

NG/NO 35150 RPM, at 850 SHP/δ/θ

ITT Trim: 37.9 C°

T5 Trim Resistance: 30.3 Ohms

N. TOTH

N. Toth

T.C. 4-58
NO. 028

ER STRIKE - INTERNAL DAMAGE FOUND ON THE
PERFORMED IN ACCORDANCE WITH THE APPLICABLE
POWER PLANT INSTALLATION DRAWING #102 400

N. Toth

T.C. 4-58
NO. 074

Records of work performed are retained in the engine assembly history record file and were carried out under TATP #7241A and IO #688948. No service bulletins were incorporated during this visit.

S/N Removed
FC152206
EAAA000M683
BB0042550
RWA17A767
NNA05235711

S/N Installed
FCN159087
EAAA000N933
BB0045497
RWA20A602
NNA05496702

B. HINGERFORD

B. Hingerford

T.C. 4-58
NO. 031

NG/NO 35150 RPM, at 850 SHP/δ/θ

ITT Trim: 30.7 C°

T5 Trim Resistance: 34.9 Ohms

B. HINGERFORD

B. Hingerford

T.C. 4-58
NO. 031

Conducted Compressor Wash 5/30/06 96.8 HM see Aircraft log for entry

NAPLES AIR CENTER, INC.
CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 08/08/06 WO: 10281 HOBBS: 120.9 TTSN: 120.9

ENGINE LOG

PERFORMED POWER RECOVERY WASH, RINSE AND DRYING RUN.
FOR NAPLES AIR CENTER CRS X04R655M.

Robert L. House
ROBERT L. HOUSE

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

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

NAPLES AIR CENTER, INC.
CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 12/5/06 WO: 10400 HOBBS: 243.3 TTSN: 243.3

ENGINE LOG

PERFORMED POWER RECOVERY WASH ON ENGINE PER PRATT & WHITNEY MAINT. MANUAL.
Robert L. House
ROBERT L. HOUSE FOR NAPLES AIR CENTER CRS X04R655M.

SUN AVIATION, INC., Vero Beach, FL (VRB)

Date: 07/13/07	Engine Log	N2QE
Hobbs: 360.1	Eng. Mod: PT6A-42A	SN: 4697247
Eng. TT: 360.1	Eng. SN PCE-RM0247	In Service 4/5/2006
ACTT: 360.1		

Performed Compressor water wash.

MAINTENANCE RELEASE: This aircraft, airframe, aircraft 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. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office, WO # 23321.

Signature: *[Signature]* CRS # ECWR470D
Sun Aviation, Inc, Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

NAPLES AIR CENTER, INC.

CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 8/15/07 WO: 10702 HOBBS: 386.3

ENGINE LOG

PERFORMED COMPRESSOR WASH, FRESH WATER RINSE AND DRYING RUN.

END

T. Mark Prince
T. MARK PRINCE FOR NAPLES AIR CENTER CRS X04R655M.

NAPLES AIR CENTER, INC.

CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 10/12/07 WO: 10761 HOBBS: 421.4

ENGINE LOG

PERFORMED COMPRESSOR WASH AND CT WHEEL RINSE. REINSTALLED IGNITORS WITH NEW WASHERS.
TORQUED AND SAFETIED AS NECESSARY. PERFORMED DRYING RUN.

Robert L. House
ROBERT L. HOUSE FOR NAPLES AIR CENTER CRS X04R655M.

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

ENGINE SERVICE AND

TIME RUN		TIME SINCE OVERHAUL	
HRS.	MIN.	HRS.	MIN.

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

Pratt & Whitney Engine Services, Inc.
8440 Tradeport Drive
Orlando, FL 32827
Certificate Number HN4D238M



Pratt & Whitney

A United Technologies Company

<u>Aircraft Model/Type:</u> Piper Meridian	<u>Aircraft S/N:</u> 4697247	<u>Engine Model/Type:</u> PT6A-42A	<u>Engine S/N:</u> PCE-RM0247
<u>Acft. Registration #:</u> N2QE	<u>Hour Meter:</u> 566.6	<u>Engine TSN:</u> 566.6	<u>Engine CSN:</u> UNK
<u>Aircraft TL:</u> UNK	<u>Aircraft TL:</u> UNK	<u>Engine TSO:</u> N/A	<u>Engine CSO:</u> N/A

Overhaul Repair

Disassembled and inspected Accessory Drive Gearbox Assembly. Water noted inside Accessory Drive Gearbox. Disassembled and inspected Oil Pressure Pump Assembly. Reassembled Accessory Drive Gearbox with original serviceable (High-speed) Accessory Drive Gear, and original serviceable Scavenge Pump Drive Coupling. The following new parts were installed: Diaphragm, Scavenge Pump Drive Gear, Starter Generator Drive Gear, Input Drive Gear, Fuel Control Drive gear, (low-speed) Accessory Drive Gear, Pressure Pump Drive Gear, Flexible Shaft Coupling, and Carbon Seal. Reassembled Oil Pressure Pump with new Post SB 3411 Oil Pressure Pump Housing, (Qty. 2) Oil Pressure Pump Gears, new Post SB 3411 Oil Pressure Pump Cover and seal. Installed new Gearbox Seals at the following Accessory Drive locations: Starter Generator, Fuel Pump/Fuel Control, Aircraft Accessory, and Tach Generator. All work performed in accordance with the Pratt & Whitney Canada Maintenance Manual P/N 3021442 Revision 40 (Dated Nov. 3, 2006), and Pratt & Whitney Canada Overhaul Manual P/N 3021443 Revision 39 (Dated Nov. 10, 2006).

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

No. 152424 Date MAY/30/2008

Approved Inspector:

MCO
5

MCO/QA-002 (4/08)

CARRIED FORWARD

THIS PAGE

ALL FROM THIS SUMMARY

TOTAL ENGINE MFG.

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

SIGNATURE

LICENCE
NUMBER

Pratt & Whitney Engine Services, Inc.
1525 Midway Park Road
Bridgeport, WV 26330
Certificate Number LM1R301K



Pratt & Whitney

A United Technologies Company

Manufacturer PRATT & WHITNEY	Description ENGINE TURBOPROP	Model/Type PT6A-42A	Serial Number PCE-RM0247
Time Since New 566.6	Cycles Since New 344	Time Since Overhaul N/A	Cycles Since Overhaul N/A

Overhaul Repair C.T. Vane Class: N/D P.T. Vane Class: 19.79 3S4

DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION:

THIS ENGINE HAS BEEN REPAIRED AND INSPECTED FOR OIL CONTAMINATION AND CORROSION IN ACCORDANCE WITH PRATT & WHITNEY OVERHAUL MANUAL P/N 3021443, REV 39, DATED 10 NOV 2006, MAINTENANCE MANUAL P/N 3021442, REV 40, DATED 03 NOV 2006, AND APPROVED DOCUMENTATION AND/OR ENGINEERING DOCUMENTATION ACCEPTABLE TO THE ADMINISTRATOR.

I.T.T. TRIM: 84.3°F. 46.8°C. TRIM RESISTANCE: 21.7Ω

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the work performed are on file at this agency under sales order No. 153960.

Date: AUGUST 12, 2008 Signed:


JOSEPH R. MOORE, AUTHORIZED INSPECTOR

PWV-3096 (MAY 98)

SUN AVIATION, INC., Vero Beach, FL (VRB)

Date: 09/16/08 Engine Log N2QE
Hobbs: 665.1 Eng. Mod: PT6A-42A SN: 4697247
Eng. TT: 566.6 Eng. SN PCE-RM0247 Cycle: 344
ACTT: 665.1

Installed original engine after repair by Pratt & Whitney West Virginia, WO# 152424, using new "O" rings and gaskets per PA46-500TP M.M. 71-00-00, P/N's MS9575-04, 102429-002, 3025538, 3118953-01, 54026-000. Applied Procyon corrosion preventative to engine inlet as instructed per the P&W Canada letter dated 02/26/08. Performed rigging on the engine.

MAINTENANCE RELEASE: This aircraft, airframe, aircraft 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. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office, WO# 25034.

Signature  CRS # ECWR470D
Sun Aviation, Inc, Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

NAPLES AIR CENTER, INC.
CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 10/29/08 WO: 11118 HOBBS: 730.7 TTSN: 730.7

ENGINE LOG

PERFORMED COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 11/12/08 WO: 11130 HOBBS: 740.0 TTSN: 740.0

ENGINE LOG

PERFORMED COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 12/03/08 WO: 11151 HOBBS: 766.1 TTSN: 766.1

ENGINE LOG

PERFORMED ENGINE COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 12/17/08 WO: 11170 HOBBS: 780.9

ENGINE LOG

PERFORMED ENGINE COMPRESSOR WATER WASH AND DRYING RUN.
Robert L. House FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 01/15/08 WO: 11197 HOBBS: 801.7 TTSN: 801.7

ENGINE LOG

PERFORMED COMPRESSOR WASH AND CT WHEEL RINSE. PERFORMED ENGINE DRYING RUN.
Robert L. House FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 02/12/09 WO: 11230 HOBBS: 816.1 TTSN: 816.1

ENGINE LOG

PERFORMED ENGINE COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

NAPLES AIR CENTER, INC.
CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 07/15/09 WO: 11368 HOBBS: 890.3 TTSN: 890.3

ENGINE LOG

PERFORMED COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House
FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 07/19/09 WO: 11368 HOBBS: 894.4 TTSN: 894.4

ENGINE LOG

PERFORMED COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House
FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 08/13/09 WO: 11414 HOBBS: 898.3 TTSN: 898.3

ENGINE LOG

PERFORMED COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House
FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 12/02/09 WO: 11510 HOBBS: 916.9 TTSN: 916.9

ENGINE LOG

PERFORMED COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House
FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

NAPLES AIR CENTER, INC.
CRS X04R655M

230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N2QE DATE: 12/14/09 WO: 11520 HOBBS: 926.4 TTSN: 926.4

ENGINE LOG

PERFORMED COMPRESSOR WATER WASH AND ENGINE DRYING RUN.
Robert L. House
FOR NAPLES AIR CENTER CRS X04R655M.
ROBERT L. HOUSE

ENGINE MODEL (#1):
PT6A-42A
ENGINE S/N (#1):
PCE-RM0247
REG. NO: 2QE
WORK ORDER:
4687-02-2010



Flightline Group, Inc.

3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 2/12/2010
Airframe TT:
ENG TT (#1): 280.1
ENG TC (#1):
HOBBS: 280.1

Engine #1 Entries

C/W engine compressor & C/T desalination wash IAW P&W MM 71-00-00.

Except as stated above, no other work, inspection, corrective action or determination of airworthiness has been made at this time.

DATE: 2/12/2010

SIGNED: *Scott Koenig*

Work Order: 4687-02-2010

Scott Koenig, A&P: 2839208

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