



ENGINE
LOG BOOK

RADIAL DIVISION

P.O. Box 1344
Hwy. 75 N. & Airport Rd.
Okmulgee, Oklahoma 74447

Ph: (918) 756-8320
Fax: (918) 756-0923

TURBINE DIVISION

P.O. Box 1336
201 E. Airport Rd. Hangar #600
Okmulgee, Oklahoma 74447

Ph: (918) 756-7862
Fax: (918) 756-3424

Repair Station No. CP2R750K

ENGINE RECORD

Manufacturer: **Pratt & Whitney** Model: **R-985-AN-14B**

Serial No: **198933**

Type Certificate: **5E-1**

This engine is currently installed in
aircraft: _____

Min. Octane Fuel: **80/87 Aviation *** Spark Plug Gap: **.015 - .018 in. ***

Oil Grade Summer: **120 wt.**

Winter: **100 wt.**

Magneto Time: **25° BTC**

Point Setting: **Bosch .008 - .010 in.**

Firing Order: **1-3-5-7-9-2-4-6-8**

Bendix N/A

Recommended Overhaul at _____ Hours. *

Crankshaft Serial No.: **10C-472**

Cam Serial No.: **DK-072/218784-48**

* see Pratt & Whitney Maintenance Manual P\N 118611

NOTES

CAUTION

**RUN THIS ENGINE WITH NON-DETERGENT OIL 100-120
UNTIL RINGS COMPLETELY SEAT.
NONCOMPLIANCE NULLIFIES WARRANTY.
WARRANTY VOID, IF ENGINE IS RUN
WITH AUTOMOTIVE FUEL.**

In the absence of manufactures specific operating instructions please
note the following recommendations:

- 1) Avoid Idling engine at lower Manifold Pressures for extended periods of time, for a least 35 hrs of operation.
- 2) Use full power at take-off to Facilitate proper cylinder cooling.
- 3) Maintain a least 1" of manifold pressure for every 100-RPM on extended descents.
- 4) Cruise Power - Maximum spread of 10 or less on Manifold to RPM. i.e. 2000 RPM = 30" Hg., 1900 RPM = 29" Hg,
- 5) Avoid shock-cooling Cylinder before and during shut down.

**COVINGTON AIRCRAFT ENGINES, INC.
OKMULGEE OKLAHOMA 74447
SHOP No. CP2R750K**

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
------	-----------------------	---------------------------	------------------------------	---



FAA Approved Repair Station No. CP2R750K EASA.145.4356
 Hwy. 75 N. & Airport Road / P.O. Box 1344
 Okmulgee, Ok. 74447' Ph: 918-756-8320 Fax: 918-756-3424

Date: August 21, 2007	Engine Model: R-985-AN-14B	Engine S/N: 198933	TSOH: 0:00	EST. Total Time: 7850
Crankshaft S/N: 10C-472	Crankshaft P/N: 261280	Cam S/N: DK-072/218784-48	Cam P/N: 9903	

OVERHAULED IN ACCORDANCE WITH PRATT & WHITNEY OVERHAUL MANUAL PN 123440 AND COVINGTON PROCESSES. A. D. NOTE 56-6-2 ,57-5-4 , 66-14-4, 68-9-1, & 78-08-07. ENGINE TEST RUN - TEST OK. "NEW PISTONS "

MAINTENANCE RELEASE:

This certifies that the work specified above was carried out in accordance with Federal Aviation Regulations and current manufacturers specifications. In respect to the work performed, the engine/component is approved for return to service.

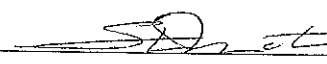
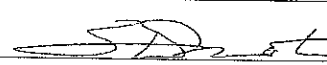
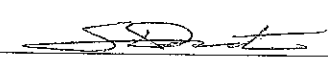
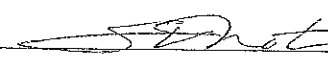
Pertinent details of the repair are on file at this repair station under work order No: **10798**

Authorized Signature:

Date: August 21, 2007

2007 15 Sept	7850	0.0	250.0	INSTALLED IN LEFT POSITION ON DE18 N52AP. FLUSHED OIL TANK. REPLACED OIL COOLER. SERVICED WITH ACROSHOIL 120 MINERAL OIL. PRE OILED. GROUND RUN CHECK OK. -END- 438726257 AP
2008 30 MAY	7877.4	27.4	277.4	DRAINED OIL, SERVICED WITH ACROSHOIL 120 MINERAL. CHANGED OIL FILTER. INSPECTED OIL FILTER OK. INSPECTED AND CLEANED OIL SCREENS. GROUND RUN CHECK OK. -END- 438726257 AP

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2008 16 OCT	740.7 746.6	57.0 66.6	307.0	<p>Drained oil, Service with Amroshe11 120</p> <p>Minor oil. Change oil Filter. Inspected old Filter OK. Inspected and cleaned oil screen.</p> <p>Compression Check: #1 72/80 #2 73/80 #3 72/80 #4 70/80 #5 75/80 #6 74/80 #7 77/80 #8 76/80 #9 78/80 checked ignition timing. Serviced Sparkplugs. Ground Run Check OK - end -</p> <p><i>SD</i> 438726257 AP</p>
2008 22 APR	7948.3 7957.5	98.3 107.9	348.3	<p>Drained oil, Service with Amroshe11 W120. Replace oil Filter. Inspected old Filter OK. Ground Run Check OK. -</p> <p><i>SD</i> 438726257 AP</p>
2009 02 NOV	8022.0	172.0	422.0	<p>Drained Oil, Service with Amroshe11 W 120. Replace oil Filter. Inspected old Filter OK. Serviced Sparkplugs. Checked ignition timing.</p> <p>#1 77/80 #2 76/80 #3 69/80 #4 76/80 #5 73/80 #6 73/80 #7 74/80 #8 72/80 #9 76/80. Ground Run Check OK. - end -</p> <p><i>SD</i> 438726257 AP</p>
2010 12 MAR	8052.3	202.3	452.3	<p>Drained Oil, Service with Amroshe11 W120. Change oil Filters. Inspected old Filter OK. Ground Run Check OK. - end -</p> <p><i>SD</i> 438726257 AP</p>

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2011 05 Jan	8082.3	232.3	482.3	DRAINED OIL, SERVICED WITH AMOSHELL W120
				CHANGED OIL FILTER, INSPECTED OLD FILTER OK,
				Checked IGNITION TIMING. SERVICED SPARKPLUGS.
				ADJUST VALVES. GROUND RUN CHECK OK -
				 3492959 AP
2011 22 July	8111.1	261.1	511.1	DRAINED OIL, SERVICED WITH AMOSHELL W120.
				CHANGED OIL FILTER. INSPECTED OLD FILTER OK.
				GROUND RUN CHECK OK. - wa -
				 3492959 AP
2012 23 FEB	8115.5	265.5	515.5	DRAINED OIL, SERVICED WITH AMOSHELL W120. CHANGED
				OIL FILTER. INSPECTED OLD FILTER. OK. SERVICED
				SPARKPLUGS. CHECKED IGNITION TIMING.
				COMPRESSION CHECK: #1 76/80 #2 77/80 #3 71/80
				#4 79/80 #5 76/80 #6 75/80 #7 75/80 #8 73/80 #9 75/80
				GROUND RUN OK. - wa -
				 3492959 AP
2013 08 FEB	8171.1	321.1	571.1	DRAINED OIL, SERVICED WITH AMOSHELL W120.
				REPLACED OIL FILTER, INSPECTED OLD FILTER OK
				SERVICED SPARKPLUGS. CHECKED IGNITION
				TIMING. COMPRESSION CHECK #1 78
				#2 72 #3 80 #4 79 #5 80 #6 79 #7 79 #8 75
				#9 80. GROUND RUN CHECK OK. - wa -
				 3492959 AP

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2013 12 APR	8187.8	337.8	587.2	INSPECTED FOR CONDITION OK. GROUND RUN AND FEIGHT CHECK OK. — SDT 3492959 AP
2014 20 MAY	8232.0	382.8	632.8	DRAINED OIL, SERVICE WITH AERO-SHELL W120. CHANGED OIL FILTER. INSPECTED OLD FILTER OK. INSPECTED AND CLEANED OIL SCREEN. OK. CHECKED IGNITION TIMING. INSTALLED ALL NEW UREB40E TEMPEST SPARKPLUGS. COMPRESSION CHECK: #1 78 #2 79 #3 76 #4 72 #5 79 #6 79 #7 78 #8 77 #9 77. GROUND RUN CHECK OK. — SDT 3492959 A.P.
2014 01 AUG	8264.0	414.0	664.0	DRAINED OIL, SERVICE WITH AERO-SHELL W120. CHANGED OIL FILTERS. INSPECTED OLD FILTERS OK. GROUND RUN CHECK OK. — SDT 3492959 AP
2015 01 JUNE	8328.5	496.5	746.5	DRAINED OIL, SERVICE WITH AERO-SHELL W120. CHANGED OIL FILTER, INSPECTED OLD FILTER OK. INSPECTED AND CLEANED OIL SCREEN. OK. SERVICE SPARKPLUGS. CHECKED IGNITION TIMING. COMPRESSION CHECK: #1 79 #2 78 #3 77 #4 78 #5 78 #6 78 #7 78 #8 78 #9 79. GROUND RUN CHECK OK. — SDT 3492959 AP

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2015 11 Nov	8375.0	543.0	793.0	DRAINED OIL, SERVICED WITH AEROSHELL W/120. CHANGED FILTER, INSPECTED OLD FILTER. OK. COMPRESSION CHECK #1 79 #2 78 #3 78 #4 78 #5 78 #6 78 #7 79 #8 77 #9 79. GROUND RUN CHECK OK. — <i>SD</i> 3492959 AP
2016 MAY 19 MAY	8421.2	589.2	839.2	DRAINED OIL, SERVICED WITH AEROSHELL W/120. CHANGED FILTER, INSPECTED OLD FILTER. — OK — GROUND RUN CHECK — OK — — END — <i>Carl A Popowicz</i> 3650580 AP
2016 02 Aug			849.4	GROUND RUN. CHECKED IGNITION TIMING. SERVICED SPARK PLUGS. COMPRESSION CHECK #1 78 #2 78 #3 77 #4 77 #5 78 #6 78 #7 78 #8 77 #9 78. GROUND RUN CHECK OK. — <i>SD</i> # 3492959 AP
2017 31 March			902.6	DRAINED OIL, SERVICED WITH AEROSHELL W/120. CHANGED OIL FILTER, INSPECTED OLD FILTER OK. GROUND RUN CHECK OK. — <i>SD</i> 3492959 AP
2017 07 SEPT			909.9	DRAINED OIL, SERVICED WITH AEROSHELL W/120. CHANGED OIL FILTERS, INSPECTED OLD FILTER OK. CHECKED IGNITION TIMING. SERVICED SPARK PLUGS. COMPRESSION CHECK. #1 77 #2 78 #3 72 #4 76 #5 77 #6 78 #7 79 #8 78 #9 76. GROUND RUN CHECK OK. — <i>SD</i> 3492959 AP