

R/A



— ENGINE —
— LOG BOOK —

RADIAL DIVISION

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TURBINE DIVISION

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Repair Station No. CP2R750K

ENGINE RECORD

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

Serial No: **42-19166** 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.: **10A-8634** Cam Serial No.: **DK-130**

* see Pratt & Whitney Maintenance Manual P/N 118611

NOTES




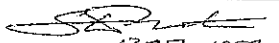
CAUTION

**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:

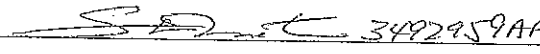

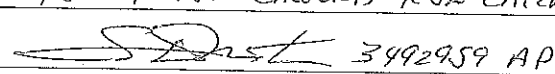
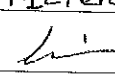
- 1) Avoid Idling engine at lower Manifold Pressures for extended periods of time, for a least 35 hrs of operation.
- 2) Use full power at take-off to Facilitate proper cylinder cooling.
- 3) Maintain a least 1" of manifold pressure for every 100-RPM on extended descents.
- 4) Cruise Power - Maximum 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										
<div style="text-align: center;">  <p>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</p> </div> <table border="1" data-bbox="267 430 1339 546"> <tr> <td>Date: March 18, 2009</td> <td>Engine Model: R-985-AN-14B</td> <td>Engine S/N: 42-19166</td> <td>TSOH: 0:00</td> <td>EST. Total Time: 5044.9</td> </tr> <tr> <td>Crankshaft S/N: 10A-8634</td> <td>Crankshaft P/N: 261280</td> <td>Cam S/N: DK-130</td> <td>Cam P/N: 9903</td> <td></td> </tr> </table> <p>OVERHAULED IN ACCORDANCE WITH PRATT & WHITNEY OVERHAUL MANUAL P/N 123440 AND COVINGTON PROCESSES. C/W A. D. NOTE 56-06-02, 57-05-04, 66-14-04, 68-09-01, & 78-08-07. INSTALLED NEW DATA PLATE (see letter dated 03-11-09). ENGINE TEST RUN - TEST OK. "NEW PISTONS"</p> <p style="text-align: center;">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 <u>engine</u>/component is approved for return to service.</p> <p>Pertinent details of the repair are on file at this repair station under work order No: 11145</p> <p>Authorized Signature:  Date: March 18, 2009</p>					Date: March 18, 2009	Engine Model: R-985-AN-14B	Engine S/N: 42-19166	TSOH: 0:00	EST. Total Time: 5044.9	Crankshaft S/N: 10A-8634	Crankshaft P/N: 261280	Cam S/N: DK-130	Cam P/N: 9903	
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2009 08 Apr	5044.9	0.0	346.3	<p>Installed on N 52 AD, Bal 8 in A475 in Right Position. Installed OHC Camshaft by Aircraft Accessories. Installed Propeller. Pre oil engine. Installed all Remanent Accessories from old engine. Installed OHC Oil Cooler from Drive Air. Ground Run Check OK. Installed New Sparkplugs. Flight check OK. (Service with Aeroshell 100 Mineral Oil). ———</p> <p style="text-align: right;"> 438726257 RP</p>										
2009 23 July	5081.7	36.8	383.1	<p>Drained oil, Service with Aeroshell 100 Mineral. Replaced oil filter. Inspected old filter OK. Ground Run OK. ———</p> <p style="text-align: right;"> 438726257 RP</p>										

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2009 02 NOV	5120.6	75.7	422.0	<p>Drained Oil, Serviced with Aeroshell 120 Mineral O.I. Replaced O.I Filter. INSPECTED OLD FILTER, OK. INSTALLED NEW REM40E Spark plugs (All). CHECKED IGNITION TIMING. Compression check: #1 75/80 #2 74/80 #3 73/80 #4 77/80 #5 74/80 #6 76/80 #7 76/80 #8 77/80 #9 77/80. GROUND Run Check OK -</p> <p><i>SD</i> 438726257 AP</p>
2010 12 MAR	5150.9	106.0	452.3	<p>Drained Oil, Serviced with Aeroshell W120. CHANGED O.I FILTER. INSPECTED OLD FILTER. OK. GROUND Run Check OK - END-</p> <p><i>SD</i> 438726257 AP</p>
2011 05 JAN	5180.9	136.0	482.3	<p>Drained O.I, Serviced with Aeroshell W120. CHANGED O.I FILTER. INSPECTED OLD FILTER. OK CHECKED IGNITION TIMING. SERVICED SPARKPLUGS - ADJUST VALVES. Compression check: #1 70/80 #2 70/80 #3 74/80 #4 77/80 #5 71/80 #6 74/80 #7 65/80 #8 70/80 #9 74/80. GROUND Run Check OK. - END-</p> <p><i>SD</i> 3492959 AP</p>
2011 22 July	5209.7	164.8	511.1	<p>Drained Oil, Serviced with Aeroshell W120. CHANGED O.I FILTER. INSPECTED OLD FILTER OK. GROUND Run Check OK. -</p> <p><i>SD</i> 3492959 AP</p>

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2012 23 Feb	5214.1	169.2	515.5	<p>Drained Oil, Serviced with AeroShell W120.</p> <p>Changed Oil Filter, Inspected Old Filter OK</p> <p>Checked Ignition Timing, Serviced Sparkplugs</p> <p>Compression Check: #1 70/80 #2 70/80 #3 73/80</p> <p>#4 77/80 #5 71/80 #6 74/80 #7 65/80 #8 70/80</p> <p>#9 74/80. Ground Run Check OK. — — —</p> <p><i>S. D. T.</i> 3492959 AP</p>
2013 08 Feb	5269.7	224.8	571.1	<p>Drained Oil, Serviced with AeroShell W120</p> <p>Changed Oil Filter, Inspected Old Filter OK.</p> <p>Serviced Sparkplugs, Checked Ignition Timing, Compression Check #1 78</p> <p>#2 78 #3 80 #4 78 #5 79 #6 76 #7 77</p> <p>#8 74 #9 80. Ground Run Check OK. — — —</p> <p><i>S. D. T.</i> 3492959 AP</p>
2013 12 Apr	5286.4	241.5	587.8	<p>Inspected for Condition. Ground Run AM</p> <p>Flight Check OK. — — —</p> <p><i>S. D. T.</i> 3492959 AP</p>
2014 20 May	5331.4	286.5	632.8	<p>Drained Oil, Serviced with AeroShell W120.</p> <p>Changed Oil Filter, Inspected Old Filter OK.</p> <p>Inspected and Cleaned Oil Screen OK</p> <p>Checked Ignition Timing, Installed All New TEMPEST UREM406 Sparkplugs. Compression</p> <p>Check: #1 78 #2 80 #3 79 #4 79 #5 79</p> <p>#6 78 #7 80 #8 79 #9 78. Ground Run Check</p> <p>OK. — — — <i>S. D. T.</i> 3492959 AP</p>

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2014 01 AUG	5362.6	317.7	664.0	DRAINED OIL, SERVICED WITH AEROSHELL W120. CHANGE OIL FILTER, INSPECTED OLD FILTER. OK. GROUND RUN CHECK OK. —  3492959 AP
2015 08 JUNE	5445.1	400.2	746.5	DRAINED OIL, SERVICED WITH AEROSHELL W120. CHANGED OIL FILTER, INSPECTED OLD FILTER OK. INSPECTED AND CLEANED OIL SYSTEM SERVICED SPARKPLUGS, CHECKED IGNITION TIMING. COMPRESSION CHECK #1 78 #2 78 #3 78 #4 77 #5 77 #6 78 #7 77 #8 77 #9 77. GROUND RUN CHECK OK. —  3492959 AP
2016 11 NOV	5491.6	446.7	793.0	DRAINED OIL, SERVICED WITH AEROSHELL W120. CHANGED OIL FILTER, INSPECTED OLD FILTER - OK. COMPRESSION CHECK: #1 78 #2 77 #3 78 #4 78 #5 79 #6 77 #7 77 #8 78 #9 78. GROUND RUN CHECK OK —  3492959 AP
2016 19 MAY	5537.8	492.9	839.2	DRAINED OIL, SERVICED WITH AEROSHELL W120. CHANGED OIL FILTER, INSPECTED OLD FILTER - OK - GROUND RUN CHECK - OK - END  CARL A. POPOWICH 3650580 AIP

