

Engine Maintenance Records

The Power of Experience

PENN YAN AERO

Engine Maintenance Records

Log Number:	_____
Aircraft Registration Number:	N248RR
Engine Manufacturer:	Lycoming
Model:	TIO-540-A51A
Serial Number:	L-11642-61A
Date Installed on Aircraft:	_____
Time Between Overhauls:	_____
Engine Position:	_____

The Power of Experience



Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 U.S.A.

315-536-2333

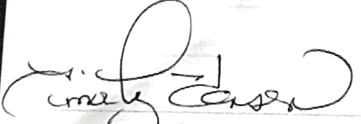

Repair Station Approval

FAA: Y2GR396Y

EASA.145.5936

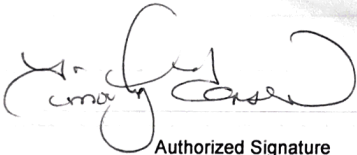

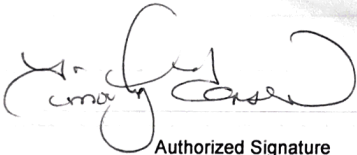

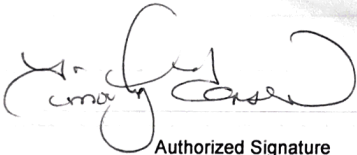



www.PennYanAero.com

Description of Work Performed
Certificate Number & Signature of Technician Performing Work

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time						
				<i>Balance Forward</i>					
				<div data-bbox="711 316 1155 544"> <p>This is to certify that the engine described hereafter has been overhauled by Penn Yan Aero to new parts tolerances and limits as specified by the manufacturer. Engine disassembled, cleaned, inspected, repaired, reassembled, and tested in accordance with data approved by and or acceptable to the FAA. All applicable Airworthiness Directives are in compliance. See A.D. list supplied.</p> </div> <div data-bbox="711 560 1136 641"> <p>This engine has been dynamic balanced in accordance with FAA Approved Process Specification AMP-4302.</p> </div> <div data-bbox="711 665 1164 755"> <p>Installed new Lycoming P/N: 05K22680 cylinder kits at this time. Reinstalled GAMI Fuel injection nozzles in accordance with GAMI Installation Procedure No. IP-98-002, Rev D, dated 8/11/2015.</p> </div> <div data-bbox="683 763 1044 909">  <p>Authorized Signature</p> </div> <div data-bbox="1247 324 1663 454"> <table border="1"> <tr> <td>Our WO# 41630-15</td> <td>Dated 6/23/2015</td> </tr> <tr> <td>Engine Model TIO-540-AJ1A</td> <td>Serial Number L-11642-61A</td> </tr> </table> </div> <div data-bbox="1228 535 1681 592"> <p>This engine has been overhauled to Zero Time Tolerances by Penn Yan Aero</p> </div> <div data-bbox="1321 609 1598 673"> <table border="1"> <tr> <td>Previous Time in Service 1433.7</td> </tr> </table> </div> <div data-bbox="1321 698 1561 755">  </div> <div data-bbox="1238 755 1635 917"> <p>Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 Telephone: 1-315-536-2333 www.pennyanaero.com FAA Approved Repair Station: Y2GR396Y EASA 145.5936</p> </div>	Our WO# 41630-15	Dated 6/23/2015	Engine Model TIO-540-AJ1A	Serial Number L-11642-61A	Previous Time in Service 1433.7
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Previous Time in Service 1433.7									
				Totals - Carry Forward					



Date	Total Time	Total Time Since	Tach or Recording
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				N248RR Date: 01 Sep 2015 Tach: 1433.8 TSMOH: 0.0 Installed this engine in aircraft N248RR. Installed propeller governor and propeller after flush and bench check from Air Prop Specialists. Set all engine controls, idle mixture, propeller governor, and wastegate controller. Ground run and leak checks complete. All work completed IAW Cessna and Lycoming Service Manuals. Aircraft released for check flight. Cody McLemore  Totals - Carry Forward																																				
				AP3346069 <small>COPYRIGHT © 2001 PENN YAN AERO. ALL RIGHTS RESERVED</small> 																																				

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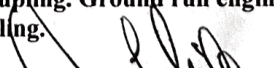
Cody McLemore 

AP3346069

Totals - Carry Forward



Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	
				<i>Balance Forward</i>	
<i>09/11/2015</i>	<i>1435.4</i>	<i>1.0</i>	<i>1435.4</i>	<i>I Gene S. Giles ATP-CFI 2685937 conduct maintenance operational flight check for 1 hour. All system function as required. Gene S. Giles ATP 2685937</i>	
				N248RR Date: 10 Sep 2015 Tach: 1443.9	
				Completed 10 hour oil change. Drained oil and removed filter. Cut filter and inspected element, no unusual particles noted. Sent oil sample to AvLabs. Installed new Tempest AA48110-2 filter and safety wired. Serviced engine with 10 Qts Phillips X/C 20W50 oil. Post run leak check complete.	
				Cody McLemore 	AP3346069
				N248RR Date: 01 Apr 2016 Tach: 1453.3 TSMOH: 19.5 TT: 1453.3 S/N: L-11642-61A	
				Performed an Annual Inspection on this Engine IAW Cessna Maintenance Manual Annual Inspection Checklist. Drained oil and removed oil filter. Cut filter and inspected element, no unusual particles noted. Installed new Tempest AA48110-2 filter and safety wired. Serviced engine with 11 Qts Phillips X/C20W50 oil. Compression test results as follows: #1 78/80 #2 76/80 #3 77/80 #4 77/80 #5 76/80 #6 74/80. Removed, inspected, cleaned, and reinstalled fuel strainer. Removed, cleaned, gapped, tested, and reinstalled spark plugs. Inspected exhaust and intake systems. Inspected crankcase, cylinders, baffles, and all accessories. Inspected engine mount and rubber bushings. Inspected firewall. Inspected all hoses, lines, and wiring. Researched AD's through bi-weekly period 2016-04, none new. This engine has been inspected IAW an Annual Inspection and is determined to be in an airworthy condition at this time.	
				AD04-10-14C1, Crankshaft Gear and Retaining Bolt Due at Prop Strike or Overhaul AD15-19-07, Fuel Injector Lines, C/W by inspection. Due again 1553.3 Tach	
				Cody McLemore 	AP3346069IA

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work
8-11-2016	1,507.3	73.5	1507.3	Balance Forward <i>A.C. Blew Fuse, Replaced, Everything checked out</i>
				<p>Date: 8-11-2016 Engine Log entry for N248RR Tach: 1507.3 hrs. Hobbs: 1688.2 hrs. Drain engine oil and oil cooler. Oil sample taken at this time. Install new CH48108-1 oil filter, torque and safety. Service engine with 11 qts. Phillips XC20W50 oil. Wash engine. Ground run. No leaks noted at this time. All work performed as per Cessna Aircraft Co. 206H series maintenance manual.</p> <p style="text-align: right;"> <u>Jerry L. Miller A&PIA3633839</u></p>
				<p>Date: 10-14-2016 Engine Log entry for N248RR Tach: 1552.5 hrs. Hobbs: 1738.5 hrs. Ground run engine. Remove engine cowling. Drain engine oil and oil cooler. Oil sample sent for analysis. Install new CH48108-1 oil filter, torque and safety. Service engine with 10 qts. Phillips 20W50 oil. Wash engine. Remove, clean, gap, test and reinstall spark plugs. Adjust fuel injection system as required. Ground run. Operational test satisfactory. No defects noted at this time. All work was performed with reference to Cessna Aircraft Co. T206H series maintenance manual.</p> <p style="text-align: right;"> <u>Tim Dearman A&P3714464</u></p>
				<p>Date: 1-20-2017 Engine Log entry for N248RR Tach: 1599.0 hrs. Hobbs: 1792.2 hrs. Ground run engine. Remove engine cowling. Drain engine oil. Sample oil for laboratory analysis. Inspect oil filter for contaminates. Install new CH48110-1 oil filter, torque and safety. Service engine with 11 qts. Phillips XC 20W50 engine oil. Compression test as follows: cyl. #1-78 #2-79 #3-79 #4-78 #5-77 #6-77. Inspect engine mounting and exhaust system. Exhaust leakage noted at cylinder no. 1 slip coupling. Ground run engine. No oil leaks noted at this time. Reinstall cowling.</p> <p style="text-align: right;"> <u>Jerry L. Miller A&PIA3633839</u></p>
			Totals - Ca	

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work
				<i>Balance Forward</i>
				<p>Date: 2-6-2018 Tach: 1800.0 hrs Hobbs: 2019.7 hrs. Engine Log entry for N248RR Ground run engine. Remove engine cowling. Drain engine oil and oil cooler. Sample oil and send for analysis Install new CH48110-1 oil filter, torque and safety. Service engine with 10 qts. Phillips XC20W50 oil. Wash engine. Ground run. No leaks noted at this time. All work was performed with reference to Cessna Aircraft Co. T206H series and Textron Lycoming maintenance manuals.</p> <p><i>Jerry L. Miller</i> Jerry L. Miller A&P3633839</p>
				<p>Date: 4-10-2018 Tach: 1851.2 hrs. Hobbs: 2078.1 hrs. Engine Log entry for N248RR Ground run engine. Remove engine cowling. Drain engine oil and oil cooler. Sample oil and send for analysis. Install new CH48110-1 oil filter, torque and safety. Service engine with 9 qts. Phillips XC 20W50 oil. Wash engine. Ground run engine. No leaks noted at this time. Comply with AD17-11-10 par. (g),(1),(iii)(3) and MSB627C table 1, actions 1 and 3. No defects noted at this time. All work was performed with reference to Textron Lycoming maintenance manual.</p> <p><i>Tim Dearman</i> Tim Dearman A&P3714464</p>
				<p>Date: 5-3-2018 Tach: 1863.3 hrs Hobbs: 2097.7 hrs Aircraft Log entry for N248RR Jacked aircraft removed Left and Right main wheel fairings. Removed Left and Right wheel and brake assemblies . Installed new brake linings PN 066-10500. Balance check wheels and reinstalled Left and Right wheel and brake assemblies. Bleed right main brake system. Reinstalled main wheel fairings. All work was performed IAW Cessna T206 and Cleveland CMM.</p> <p><i>Tim Dearman</i> A&P 3714464 Tim Dearman</p>
				Totals – Carry Forward



Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work
				<p>Balance Forward</p> <p>Date: 6-29-2018 Tach: 1894.9 hrs. Hobbs: 2128.2 hrs.</p> <p>Engine log entry for N248RR</p> <p>Ground run engine. Drain engine oil, oil cooler, sample oil and send for analysis. Install new CH48110-1 oil filter, torque and safety. Service engine with 10 qts Phillips XC20W50 oil. Wash engine.</p> <p>Comply with AD2017-11-10 and MSB627E required actions 1, 2, as per par. (G),(i),(ii). re-torque as required ea. 100 hrs. and inspection ea. 25 hrs. Replacement of V band clamps recommended at next oil change or inspection.</p> <p>Repair chafed wiring to airconditioner system and install new AGC30 amp fuse. Ground run aircraft. Operational test satisfactory. No leaks noted at this time. All work was performed with reference to Cessna Aircraft Co. T206H series maintenance manual.</p> <p><i>Tim Dearman</i> Tim Dearman A&P3714464</p>

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-2, OBSOLETE PREVIOUS EDITIONS
1. Name of the Repair Station: **709 Warehouse Dr. Laurel, Mississippi, MS 39440**
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DATE: 08-28-18 N248RR ENGINE

TACH: 1913.0 TSO:479.2 TSN: 1913.0

1. Compression test 1. 78/80 2. 76/80 3. 77/80 4. 78/80 5. 76/80 6. 77/80
2. Oil change serviced with Aeroshell W100 installed CH48110-1 oil filter,
3. Complied with AD 2015-19-07 vis inspect fuel injector lines
4. Installed new points M3081, installed overhauled left magneto P.N. 6361R
5. Installed new v-band clamp P.N. 40D22382
6. Installed new air filter P.N. D197268
7. Complied with 500 Hr. right magneto inspection installed new points M3081, Installed overhauled left magneto P.N. 6331.R

Performed annual inspection I/A/W Cessna M.M. and FAR 43appendix D. See AD listing for AD compliance. I certify this engine has been inspected I/A/W an annual inspection and was determined to be in airworthy condition.

David Sanford
David Sanford IA 3032129

Totals - Carry Forward



**AIRCRAFT INSPECTION & REPAIR**

709 Warehouse Dr. Laurel MS 39440

Phone: 601-270-5507

Total Time Tach. or

*Balance Forward*Description of Work Performed
Certificate Number & Signature of Technician Performing Work

Page: 10

DATE: 10-16-18 N248RR AIRFRAME:

TACH:

1. Installed New Battery P.N. 7243-16 S/N G03021125
All work performed in accordance with Cessna 206 M.M. and current FARs. This aircraft is returned to service.

David Sanford IA 3032129

Date: 4-23-2019

Tach: 2030.5 hrs.

Hobbs: 2282.5 hrs.

Drain engine oil and oil cooler. Install new CH48110-1 oil filter, torque and safety. Service engine with 10 qts. Phillips XC20W50 oil. Install new rocker box gaskets p/n 76036. C/W AD17-11-10 par. (g).(3).(i). and MSB627E, table 2 torque check. No defects noted at this time. Wash engine. Ground run. No leaks noted at this time. All work was performed with reference to Cessna Aircraft Co. T206H series and Lycoming maintenance manuals.

Engine Log entry for N248RR

Tim Dearman A&P3714464

Date: 7-24-2019

Tach: 2067.4 hrs.

Hobbs: 2323.8 hrs.

Ground run engine. Drain engine oil and oil cooler. Install new CH48110-1 oil filter, torque and safety. Service engine with 11 qts. Phillips XC20W50 oil. Wash engine, 7-23-2019. Comply with AD17-11-10 par. (g).(3).(i). thru (iii) and Lycoming MSB627E, dated 5-17-2018, table 2, action (1).©.(D).(E). by inspection. Exhaust leak noted in proximity to turbo charge. Source of leak unknown at this time. Repeat e. 25 hrs. Comply with table (2). Par. C. torque check to 96 in. lbs. no rotation noted. Repeat ca. 100 hrs.

Engine Log entry for N248RR

Tim Dearman A&P3714464

Totals - Carry Forward

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Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	
27 January 2021	TT 2124.8	TSOH 688	Tach 2124.8	<p>Performed 100hr inspection and the following work in reference to C206MM, Lycoming PC-TIO-540-AJ1A, and SSP-1776-5, and Champion OH Manual L-1363F, and IAW 14 CFR 43 Appendix D: AD 15-19-07: C/W by inspection. Next due: 2234.8. AD 17-11-10: C/W par. 3i by inspection. Next due: 2149.8. Differential Pressures: (1) 75/80, (2) 70/80, (3) 76/80, (4) 72/80, (5) 76/80, (6) 75/80. Drained oil and serviced with 11 qts. XC20W-50. Removed oil filter, inspected element, installed new Tempest filter P/N AA48110-2, torqued, and safetied. Adjusted right magneto timing to engine and torqued. Removed and installed left magneto pressure hose and heat exchanger oil hose at oil pressure switch and torqued as applicable to facilitate left magneto removal. Removed left magneto, adjusted internal timing, installed with new gaskets P/N LW-12681 and P/N 62224 and new star washers P/N MS35333-41, timed to engine, and torqued. Removed spark plugs, cleaned, inspected, gapped, installed, and torqued. Installed overhauled fuel drain tube assembly P/N LW-12098-0-090 at cylinder 3 and tightened. Installed new adel clamp P/N MS21919DG2 at cyl. 1 fuel drain tube assembly. Adjusted idle mixture and speed. Work performed by Kevin Salisbury. I certify that this engine has been inspected IAW 100hr inspection and was determined to be in airworthy condition.</p> <p style="text-align: right;">Paul Nabors AP3225963IA</p>	<p>rd</p> <p>12 November 2021 Tach 2204.3</p> <p>Drained oil and serviced with 9 qts of XC 20W-50. Installed new oil filter P/N AA48110-2. Cut and inspected oil filter: no metal found. Engine run OK; leak check OK. Work performed by Isaac Johnson.</p> <p>N248RR <i>Paul Nabors</i> AP3225963IA</p>
25 June 2021			Tach 2164.1	<p>AD 17-11-10 C/W par. 3i and ii by inspection and torque check IAW Lyc. MSB627 Part 2 par. 1 and 2. Next due: par. 3i 2189.1; par. 3ii 2264.1. Drained oil and serviced with 9 qts. XC20W-50. Installed new filter P/N AA48110-2, torqued, and safetied. Inspected removed filter element. Engine run. Leak check OK.</p> <p style="text-align: right;">Kevin Salisbury AP3971694</p>	<div style="border: 1px solid black; padding: 5px;"> <p>24 FEB 2022 TT 2218.4 TSMO 781.6</p> <p>AD 15-19-07 CW by inspection, next due 2234 tach.</p> <p>AD 17-11-10 CW para (g)(3)(i)(ii). next due at 2234 tach. Oil, oil filter changed, 9 qt XC 20W50, AA48110-2. Mag timing checked. Spark plugs cleaned and gapped. Fuel strainer cleaned. Engine run, checks OK. I certify this engine has been inspected in accordance with a 100 hr inspection per Cessna 206HMM rev 21 and found airworthy. Work performed by Paul Nabors, Mike Light, Isaac Johnson.</p> <p style="text-align: right;">Paul Nabors AP3225963IA</p> <p><i>Paul Nabors</i></p> </div>
				Totals - Carry Forward	





VAN BORTEL AIRCRAFT INC™

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFRI71L

N248RR TACH & TOTAL 2221.0 H.M. 2498.5 DATE 1/27/2023 W.O. SV10579

ENGINE S/N: L-11642-61A TSMOH: 787.3

PERFORMED A 100 HOUR INSPECTION IN ACCORDANCE WITH FAR 43 WITH REFERENCE TO CESSNA MAINTENANCE MANUAL 206HMM21. OIL AND FILTER CHANGED. COMPLIED WITH SB 480F OIL, OIL FILTER & SUCTION SCREEN INSPECTION. SERVICED ENGINE WITH PHILLIPS 20W50 OIL AND AA48110-2 FILTER. SPARK PLUGS CLEANED AND TESTED. MAGNETO TO ENGINE TIMING CHECKED. COMPRESSION TEST: #1 73 #2 74 #3 73 #4 74 #5 76 #6 73/80. REPLACED ALL ROCKER COVER GASKETS WITH NEW P/N: 06B28890. PROPERLY SECURED FUEL MANIFOLD VENT HOSE. REPLACED ENGINE Baffle GROMMETS AS NEEDED. PROPERLY SECURED FUEL NOZZLE VENT MANIFOLDS, HOSES AND PROP HEAT WIRING. REPLACED ALL (6) FUEL NOZZLE VENT HOSES WITH NEW P/N: LW-18737. REPLACED INCORRECT FUEL INJECTION LINE CLAMPS WITH NEW P/N'S: SL16266-10-75, LW-16266-10-13 AS REQUIRED. COMPLIED WITH **AD 2015-19-07** FUEL INJECTION LINE INSPECTION IN ACCORDANCE WITH LYCOMING SB 342G, NEXT INSPECTION DUE BY TACH 2331.0. ENGINE OVERHAUL OR LOOSENING OF CLAMPS. COMPLIED WITH **AD 2017-11-10** EXHAUST INSPECTION IN ACCORDANCE WITH LYCOMING SB 627C, REQUIRED ACTIONS 1 & 2. FOUND NO CRACKING OF PIPES OR LEAKAGE PER REQUIRED ACTION 1 AND FLANGE NUT TORQUE SATISFACTORY PER REQUIRED ACTION 2. REQUIRED ACTION 1 NEXT DUE AT TACH 2246.1. REQUIRED ACTION 2 NEXT DUE AT TACH 2321.0. AD'S CHECKED THROUGH 2023-03.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

Paul Park

PAUL PARK, CHIEF INSPECTOR

Work Performed
by Technician Performing Work

Page: 14



N#:	N248RR	Engine Make:	Lycoming
WO#:	1040	Engine Model:	TIO-540-AJ1A
Date:	3/24/2023	Engine SN:	L-11642-61A

Tach:	2234.1	ATT:	2234.1	Cycles:	N/A
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ETT:	2,234.10	TSOH:	800.40	CSO:	N/A
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Drained Engine oil. Serviced engine with 11 qt Victory 20W-50 oil and new AA48110-2 oil filter. Cleaned air oil separator. Took oil sample and sent to Blackstone Labs.

I certify that this engine is approved for return to service with regards to the work performed.

Technician:	Robert Stone	License:	A&P3654665	Signature:	<i>Robert Stone</i>
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Totals – Carry Forward

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Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed	Certificate Number & Signature of Technician Performing Work
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wo: WO_39 Airframe - page 1 of 1



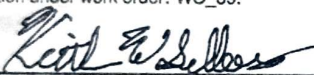
Redline Aviation - P.O. Box 8108 - Amarillo, Texas 79114 - 806-206-6525

N248RR **CCESSNA, T206H, S/N: T20608481** **June 16, 2023**


TACH: 2285.1

1. Replaced oil filter and added oil Installed P/N 08-04973 - AA48110-2 TEMPEST OIL FILTER, Installed (11) P/N PHILLIPS XC20W-50 - PHILLIPS XC20W-50.
2. Cut and inspect oil filter.
3. Replaced #4 egt probe with New probe P/N 86343. Installed P/N 10-86339 - ALCOR EGT PROBE.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Redline Aviation under work order: WO_39.

Keith Sellers A&P IA 450311664 

wo: WO_101 Engine - page 1 of 1



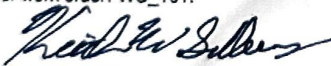
Redline Aviation - P.O. Box 8108 - Amarillo, Texas 79114 - 806-206-6525

N248RR **LYCOMING, T10-540 SER, S/N: ENGINE SN TBD** **September 26, 2023**

TACH: 2330.4

1. Changed oil and oil filter (P/N AA48108-2 Filter and 8 QTS of 20W-50) and cut filter no metal found. Installed P/N 08-04973 - AA48110-2 TEMPEST OIL FILTER, Installed (9) P/N PHILLIPS XC20W-50 - PHILLIPS XC20W-50.
2. Remove and cleaned spark plugs regapped and replaced plug gasket. Installed (12) P/N 07-00877 - SPARK PLUG GASKET 18MM.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Redline Aviation under work order: WO_101.

Keith Sellers A&P IA 450311664 

Totals - Carry Forward



Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
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