

PREMIER AIRCRAFT



ENGINE MAINTENANCE RECORDS

Aircraft Registration: _____

Engine Position: _____

Log Book Number: _____

Records Dated From: _____ To: _____

Detailing Total Time From: _____ To: _____ Hours

PREMIER AIRCRAFT

1000 NW Perimeter Way, Troutdale, Oregon 97060

Phone 503-661-4184

Fax 503-667-4052

LIMITED WARRANTY - OVERHAULED ENGINE

Six-Month Limited Warranty:

Premier Aircraft warrants this engine to be free from defect in material and workmanship under normal use for a period of six (6) months, for an unlimited number of hours, commencing from the date of installation or 30 days after shipment, whichever is earlier. Premier Aircraft will repair or replace, at its option, any material or workmanship found to be defective within the applicable period set forth above. The repair or replacement of defective parts and workmanship under this warranty will be made by Premier Aircraft without charge to the owner for parts, labor or materials used in the removal, installation and/or actual repair of such defective part or workmanship, except that import duties, sales or use taxes, and freight shall be the responsibility of the purchaser.

The obligations of Premier Aircraft under this warranty is limited to the repair or replacement of defective materials and workmanship for the time period set forth herein. Aftermarket projects, which require a Supplemental Type Certificate (STC) for installation, which may be installed or reinstalled at the customer's request, are not covered by this or any other warranty, express or implied, and all damages and losses arising out of such products are the sole responsibility of the purchaser, including any damage to the engine, aircraft, STC product, persons or property.

Extended Limited Warranty:

Premier Aircraft additionally warrants the engine power section, consisting of crankcase and crankshaft assembly, camshaft, and the cylinder stud assemblies, excluding any and all accessories, on a prorated basis from the expiration of the six (6) months warranty set forth above to the manufacturer's recommended time between overhauls (TBO) of the engine. The proration for this extended limited warranty shall be based upon a usage of 40 hours per month, or actual use, whichever is greater. This extended limited warranty does not include labor charges for removal, installation or repair, or charges for additional materials, import duties, sales or use taxes, and freight, all of which shall be the responsibility of the purchaser. Charges for parts under this extended limited warranty shall be made at the manufacturer's list price in effect at the time the repair is made, and shall be prorated as set forth herein. All other charges for repairs under this extended limited warranty shall be made at the list price in effect at the time of the repair, and shall be prorated as set forth herein.

Six-Month and Extended Warranty Limitations:

Warranty service under the limited warranty and extended limited warranty may be accomplished at facilities other than Premier Aircraft but only after prior written approval from Premier Aircraft provided that all work shall be performed at prevailing rates and that Premier Aircraft shall have the option to furnish all parts, materials and accessories.

This limited warranty and extended limited warranty (Warranty) shall be void if the engine or its accessories have been, in the judgment of Premier Aircraft, altered or repaired outside the Premier Aircraft facility without prior written approval, or have been operated contrary to the manufacturer's operating instructions, or subjected to misuse, neglect, accident or use of any fuel not approved by the engine manufacturer after installation or shipment by Premier Aircraft. In such event, Premier Aircraft shall be relieved of any and all liability and purchaser shall be solely responsible for any and all claims, whether arising out of damages caused by such wrongful use or not.

THE WARRANTY PROVIDED HEREIN SHALL BE IN LIEU OF ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION EXPRESSLY SET FORTH IN THIS DOCUMENT.

Any implied warranty not disclaimable hereunder shall extend for 30 consecutive days after installation or shipment by Premier Aircraft. Some states do not allow limitations on the length of time an implied warranty is valid, so the above limitation may not apply to you.

Premier Aircraft's liability under this limited Warranty and extended limited warranty is expressly limited to repair or replacement, at the option of Premier Aircraft of any defective material or workmanship and shall not extend to the payment of any damages. In the event of a breach of this Warranty by Premier Aircraft, the purchaser shall not be entitled to damages for loss of use, lost profits, or other incidental or consequential damages. Premier Aircraft shall not be held liable for loss of, or damage to the customer's aircraft caused by breach of Premier Aircraft.

Purchaser's remedies under this warranty are expressly conditioned upon receipt of written notice, sent by the purchaser, specifying the breach or defect complained of within seven (7) days after such breach or defect is discovered, or reasonably should be discovered to Premier Aircraft at the address set forth below, and upon customer's delivery of its aircraft, or any necessary accessory thereto or part thereof to Premier Aircraft for correction of such breach within 30 days after the receipt of such written notice. The written notice shall be addressed to: Premier Aircraft, 1000 NW Perimeter Way, Troutdale, Oregon 97060.

Warranty repair or replacement of any part, or performance of any service shall not extend this warranty beyond the original warranty time or hour limitation.

THE SOLE AND EXCLUSIVE REMEDY OF PURCHASER AND ANY OTHER PERSON, AGAINST PREMIER AIRCRAFT SHALL BE FOR THE REPAIR OR REPLACEMENT, AT PREMIER AIRCRAFT'S OPTION, OF DEFECTIVE MATERIALS AND WORKMANSHIP AS PROVIDED HEREIN. NO OTHER REMEDY, DIRECT OR INDIRECT, INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOST PROFITS, LOST SALES, INJURIES TO PERSONS OR PROPERTY, LIABILITY IN TORT OR ANY OTHER DAMAGES SHALL BE AVAILABLE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the previous limitation or exclusion may not apply to you.

The sole purpose of this limited warranty is to provide the customer with the remedy of repair or replacement, at Premier Aircraft's option, of defective parts or materials in the manner provided herein. This limited warranty shall not fail of its essential purpose so long as Premier Aircraft or its successor or designee is willing and able to repair or replace defective parts, materials or workmanship in the described manner.

Should this warranty fail of its essential purpose, the customer shall not be entitled, directly or indirectly, to incidental or consequential damages.

Any action arising out of this warranty, or any purported defect in material or workmanship shall be brought in the Circuit or District Court for the State of Oregon in Multnomah County, and the internal laws of Oregon shall govern.

PREMIER AIRCRAFT

ENGINE MAINTENANCE RECORDS

Engine Manufacturer: Lycoming

Model: I0-360-A1B6D

Serial No: L-16460-51A

Recommended TBO: 2000 Hours 12 Years

Aircraft Registration No: N65PT

Date Installed on Aircraft: _____

If used on multi-engine aircraft: ☐ Left ☐ Right ☐ Front ☐ Rear

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, Oregon 97060
Phone: (503) 661-4184 Fax: (503) 667-4052

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
------	-----------------------	---------------------------	--------------------------	--

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184
 Manufacturer Lycoming
 Model Number IO-360-A1B6D F.F.
 Serial Number L-16460-51A

Total Time 5142.6

TSMO 0.0

Tach Time 5142.6

Date 05/16/2006

WO Number 09778

This engine, excluding the magneto and starter, was overhauled in accordance with Lycoming Manual 60294-7, Table of Limits SSP 1776 and previously installed STC SE2741NM. Installed new Lycoming cylinder assemblies. Installed a new Lycoming camshaft. Installed new lifter bodies. Installed new spark plugs. Installed a new harness. See following list of parts installed. Engine was run on a test stand. Installed a new oil filter.

Accessories

Description	Model Number	Part Number	Serial Number	Condition
Magneto	D4LN-3000	BL682555-11	G05EA083R	No maintenance at this time. Magneto was installed at tach time 5102.3. Time in service 40.3 hours.
Fuel servo	RSA-5AD1	2524054-11	59170	0.0 hours since overhaul.
Manifold valve	-	2524232-2	L-1092	0.0 hours since overhaul.
Fuel pump	-	LW15473	4105	0.0 hours since new.
Starter	-	149-NL	FN-290461	No maintenance at this time.

Service Information

Service Bulletin	Subject	Compliance
SI1267C	Piston pin plugs	Installed new 72198 aluminum bronze piston pin plugs.
SB240R	Replacement parts	Parts were replaced in accordance with Lycoming's recommendations.
SB439A	Connecting rods	Inspected the connecting rods.
SB518C	Thermostatic by-pass	Installed a new P/N 53E22144 valve.

No further inspection is required by this bulletin.

SB569A Crankshaft failure N/A by crankshaft serial number.

Airworthiness Directives

Engine

AD Note	Amend #	Dated	R	Subject	Compliance
66-20-04	39-277	08/27/1966	N	Oil filter adapter gasket	This AD Note was previously complied with.
71-05-02	39-1589	02/13/1973	Y	Shifting main bearings	Large bearing dowels have been installed. AD Note requires no further inspection.
71-11-02	39-1403	03/14/1972	N	Hydraulic plungers	Part number 78290 plungers are installed.
73-23-01	39-2804	01/13/1977	N	Piston pin	N/A by piston pin part number.
75-08-09	39-3013	08/18/1977	N	Oil pump drive	N/A by engine serial number.
90-04-06	39-6915	05/28/1991	N	Governor oil line	The correct line, supports and fittings were previously installed.
92-12-05	39-8265	07/10/1992	N	Piston pin	N/A by piston pin part number.
93-14-15	39-8639	08/23/1993	N	M.P. Limitation	N/A by aircraft model and STC.
95-07-01	39-9183	04/12/1995	N	Connecting rod bolts	N/A by rod bolt manufacturer.
95-26-02	39-9460	01/24/1996	N	Detonation	N/A by aircraft registration number.
96-09-10	39-9586	07/15/1996	N	Oil pump gears	Installed a gear kit P/N 05K19423S.
97-15-11	39-10085	08/12/1997	N	Piston pins	N/A by piston pin part number.
98-02-08	39-10291	03/30/1998	Y	Crankshaft corrosion	N/A. Constant speed operation. AD Note requires no further inspection.
98-17-11	39-10713	10/19/1998	N	Nelson crankshafts	N/A. Nelson did not repair this crankshaft.
2002-12-07	39-12779	07/03/2002	Y	Oil filter adapter gasket	Installed a new 06B23072 gasket in accordance with SB 543A, Supplement 1 and SI 1453. Marked the plate 543.
2004-10-14	39-13644	06/25/2004	N	Crank & gear	AD Note requires no further inspection. Inspected the crankshaft and dowel pin. Inspected the gear and installed it with a new bolt. Torqued bolt to 660 inch pounds and saftied. Work was done in accordance with SB 475C.
2005-19-11	39-14276	10/21/2005	N	Crankshaft failure	N/A by engine and crankshaft serial number.
2006-06-16	39-14525	04/27/2006	N	Crankshaft failure	N/A by engine and crankshaft serial number.

Continued on the next page.

Continued from the previous page.

Airworthiness Directives

Fuel Injection

AD Note	Amend #	Dated	R	Subject
73-10-02	39-1634	05/16/1973	Y	Defective diaphragm
75-09-15	39-2187	04/30/1975	N	Flow divider gasket
78-23-10	39-3333	11/07/1978	N	In flight power loss
79-04-05	39-3570	09/26/1979	N	In flight power loss
79-21-08	39-3593	10/24/1979	N	Fuel flow cutoff
79-26-03	39-3636	12/26/1979	N	Regulator stem
2002-26-01	39-12986	01/31/2003	Y	Fuel injection lines

Compliance

N/A by overhaul date.

AD Note requires no further inspection.

N/A by flow divider parts list number.

N/A by parts list number.

N/A by parts list number.

N/A by parts list number.

N/A by parts list number.

Inspected the lines and correctly clamped in accordance with SB342D.

Inspection is required at every 100-hour, every annual, every overhaul and any time any part is loosened or removed for any reason.

Fuel Pump

93-11-11	39-8584	06/21/1993	N	Overhauled pumps
96-23-03	39-9826	12/17/1996	N	Fuel pump
2003-14-03	39-13222	08/14/2003	Y	Fuel pump

N/A. The fuel pump installed has not been overhauled.

N/A by the pump code number.

N/A by fuel pump design.

No further action is required by this AD.

Magneto

81-12-06	39-4249	11/12/1981	Y	Distributor gear
82-20-01	39-4658	06/14/1983	N	Impulse coupling
2005-12-06	39-14122	07/19/2005	Y	Impulse coupling

N/A by engine model.

AD Note requires no further inspection.

Installed a factory rebuilt magneto.

N/A by engine model.

No further action is required by this AD.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 09778.

Date: 05/16/2006

Signed

James L. Gardner

Inspector for Premier Aircraft RS JZYR537L.

Qty	Part Number	Description	Qty	Part Number	Description
1.0	05K19423S	Oil Pump Gear Kit	8.0	AEL71907	Counterweight Pin Plate
1.0	05K21120	Cylinder Kit	8.0	AEL72877	Lifter Body
		S/N: A302047	1.0	AN8-14A	Bolt
1.0	05K21120	Cylinder Kit	1.0	CH48103-1	Oil Filter
		S/N: A2790518	4.0	LW11487S	Piston
1.0	05K21120	Cylinder Kit	8.0	LW12186	Rod Nut
		S/N: A2800522	8.0	LW12596	Rod Bolt
1.0	05K21120	Cylinder Kit	1.0	LW12944	Gasket Set
		S/N: A279052	4.0	LW13923	Rod Bushing
1.0	06B23072	Rubber Gasket	8.0	LW14820	Snap Ring
1.0	1028B	Oil Pressure Ball	1.0	LW15473	Fuel Pump
2.0	14W21696	Counterweight Pin			S/N: 4105
2.0	18A19441M03	Front Main Bearing	8.0	LW16143M03	Rod Bearing
4.0	18D19394M03	Main Bearing	6.0	LW16266-10-13	Clamp
1.0	53E22144	Thermostatic By Pass Valve	4.0	LW16266-10-75	Clamp
		S/N: 150432	1.0	LW16266-25-38	Clamp
1.0	61084	Oil Pressure Spring	1.0	LW18840	Camshaft
2.0	68H22624	Magneto Drive Cushion	1.0	M2915	Harness
8.0	71549	Thrust Washer	1.0	MS16625-1100	Snap Ring
8.0	72626	Rocker Shaft	6.0	MS21044N3	Nut
2.0	72797	Counterweight Pin	8.0	RHM38E	Spark Plug
1.0	72801-OH	Overhauled Counterweight	10.0	STD1410	Nut
		S/N: S152246-2	4.0	STD1901	Stud
1.0	72801-OH	Overhauled Counterweight	1.0	STD1930	Hose
		S/N: S151529-28	6.0	STD2013	O Ring
4.0	73772	Oil Squirt Nozzle	4.0	STD2180	Drain Tube Hose
4.0	73810	Crankshaft Bushing	3.0	STD2249	Nut
8.0	74389	Rocker Bushing			

Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
6/15/06	Tach 5142	Install Engine in NG5PT New Motor Mounts New Hoses + Rpm Buffels ck Ex System + HT Muffs New Alternator ck Engine Controls for Operation + Security OH Lubrication 50ND Oil Used New Alt Belt Rpm Fuel Supply Line to Strainer with New Cessna Pump Rpm Throttle + Gear Red Ends on Controls Test Run + Flown OK See Attached Tags	
6/15/06		Total Tach 5142	
I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Applicable A. D. <u>06-11</u> complied with		5142	
Total time (or tach reading) <u>5142</u>			
Signed <u>[Signature]</u> A & P # <u>5415696351A</u>			
5/17/07	Tach 5386	Change Oil + Filter Rpmman Start SN FN 290461 Instn'l SN 190704 <u>[Signature]</u> 5415696351A Rpm Start Contact	

DATE 6/17/07 AC HRS. 5364.1 N# 65PT
 Replaced Skytech Starter w/ New Unit P/N 149NL
 And new Battery contactor P/N 1579AZ
 all ops checks ok.

Work Order(s) AC-9574
 Signed: [Signature]
 AP 3037638

Edwards Jet Center of Montana
 Glacier Park International Airport
 Kalispell, MT 59901
 Phone (406) 755-5362
 Fax (406) 755-5900

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
6/19/07	Tach 5368	CK Comp	72-72-72-72	Chk 170h, Chk Timing
	Chk 15x System + HT 170h			Inst 11 GALT Injectors CV 02-26-01
	Chk Eng Lines Insp Dr 6/08			Chk Nut Mount Chk Hoses + Butts
	Chk Engine Controls R Operate + Sump			Rph An Filt No O.I. v-
	Filt Chng Test Rn + Fln OK			
6/19/07			Tach 5368	9/5/07 Tach 5397
			Total 5368	Chng O.I. + Filt Set
			5170H 226	Tach Switch F- 12-13"
				170 ✓ 541569635A
I certify that this aircraft has been inspected in accordance with a <u>Am I</u> inspection and was determined to be in airworthy condition. Applicable A. D. Notes through <u>07-11</u> complied with Total time (or tach reading) <u>5368</u> Signed <u>[Signature]</u> A & P # <u>541569635A</u>				
Date: 2/22/2008; Aircraft: N65PT Tach: 5448.0 - Removed oil filter, cut and checked for abnormalities. Installed new CH48103-1 oil filter. Serviced with 8 Qts. of Aeroshell 100w oil. Leak test OK. William N. Gough AP541569635				
7/10/08	Tach 5492	CK Comp	76-76-76-76	Rph 170h With Fine
	Wie Chng Oil + Filt			Chk 15x System + HT 170h
	Chk 170h			Mount Chk Hoses + Butts
	Chk Eng Controls Tighten 170h Control			Rph #3 Eng Lines Tighten Sump Belt
	CV 02-26-01 Chk Eng Lines			CV 08-08-14 Rph Sump Basket Rph An Filt
	Test Rn + Fln OK			
			7/10/08	
	Total + Tach 5492			I certify that this aircraft has been inspected in accordance with a <u>Am I</u> inspection and was determined to be in airworthy condition. Applicable A. D. Notes through <u>08-13</u> complied with
			5170H 350	
				Total time (or tach reading) <u>5492</u>
				Signed <u>[Signature]</u> A & P # <u>541569635A</u>

It is important to understand that where the user/installer performs work in Block 1, it is essential that the user/installer must certify the work performed in Block 1.
 Statements in Blocks 14 and 19 do not constitute inspection or approval of the work performed by the user/installer before the aircraft is returned to service.
 *Installer must certify the work performed in Block 1.

Date	Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
2/29/08	Tach 5503		R+R	Some for Rpm by Flightman PT
				✓✓✓ 541569635AP
10/29/08	Tach 5535			Chg. O.I + Filt. Tuck Samp h
				✓✓✓ 541569635AP

Date: 6/02/2009; Aircraft: N65PT
 Tach: 5595.5 - Removed oil filter, cut and checked for abnormalities. Installed new CH48103-1 oil filter. Serviced with 8 Qts. of Aeroshell 100w oil. Leak test OK.
 William N. Gough
 AP541569635

Date: 7/27/2009; Aircraft: N65PT
 Tach: 5633.1, TSMOH: 491.1 - Performed annual inspection IAW mfg. service manual. Checked cylinder compressions. #1-75, #2-74, #3-76, #4-76. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. No oil change performed. Added 1 qt. Aeroshell 100w. Checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. Check OK. C/W AD2008-14-07 - 8/14/2008 - Visual inspection of fuel lines, fittings and clamps for wear. All check OK. Next inspection due by tach: 5733.1 or maintenance done to above components. Test run and flight OK.
 William N. Gough
 AP541569635

Date: 7/27/09
 I certify that this aircraft has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Applicable A. D. 09-14 Notes through 09-14 complied with
 Total time (or tach reading) 5633
 Signed [Signature] A & P # 541569635A

Date: 9/03/2009; Aircraft: N65PT
 Tach: 5653.0 - Removed oil filter, cut and checked. No metal found. Installed new CH48103-1 oil filter. Serviced with 8 qts. of Aeroshell 100w oil. Leak test OK.
 William N. Gough
 AP541569635

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
------	-----------------------	---------------------------	--------------------------	--

Date: 10/19/2009; Aircraft: N65PT
Tach: 5705.5 - Removed oil filter, cut and checked. No metal found. Installed new CH48103-1 oil filter. Serviced with 7 qts. of Aeroshell 100w oil. Leak test OK.
William N. Gough
AP541569635

Date: 5/20/2010; Aircraft: N65PT
Tach: 5747.9 - Removed oil filter. Installed new CH48103-1 oil filter. Serviced with 7 qts. of Aeroshell 100w oil. Took and sent sample. Leak test OK. Adjusted gear warning horn actuator cam. Replaced preoiler contactor with pn 8781-10. Ops check ok.
William N. Gough
AP541569635

Date: 9/01/2010; Aircraft: N65PT
Tach 5800.6 TSMOH 658.6
Performed annual inspection IAW mfg. service manual. Checked cylinder compressions. #1-76, #2-74, #3-76, #4-78. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Changed oil and filter. Installed new CH48103-1 oil filter and serviced with 7 qts. of Aeroshell 100W oil. Pressure checked exhaust system. Leak tests OK. Checked engine controls for operation and security. Check OK. Test flight OK. Serviced fuel injectors. CW AD 2008-14-07 8/14/2008 by inspection per AD on fuel injection lines and clamps, due each annual or after any maintenance on injection lines. Replaced #3 induction tube, pn 78743.
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
Aero Maintenance, Inc.
Shop Order 10-7846
Jason Cochran
AP33166471A

Date: 9/15/2010; Aircraft: N65PT
Tach: 5825 - R&R Oilamatic pump motor with new. Removed oil filter. Installed new CH48103-1 oil filter. Serviced with 7 qts. of customer supplied Aeroshell 100w oil. Leak test OK. R&R landing lamp with new.
William N. Gough
AP541569635

Date: 11/04/2010; Aircraft: N65PT
Tach: 5875.7 - Removed oil filter. Installed new CH48103-1 oil filter. Serviced with 8 qts. of customer supplied Aeroshell 100w oil. Leak test OK. Replaced gear warning horn switch and actuator. R&R cam after repair. Repaired ground wire on preoiler. Ops check ok.
William N. Gough
AP541569635

3. Form Tracking Number: H-1070996
 W/O: M770680
 Status/Work: OVERHAUL

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
------	-----------------------	---------------------------	--------------------------	--

Date: 8/25/2011; Aircraft: N65PT
 Tach: 5975.3 - Drained engine oil, removed filter. Installed new filter pn CH48103-1 and safety wired. Took and sent oil sample Refilled sump with 8 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted.
 William N. Gough
 AP541569635

Tach 6003.8
 Total 6003.8
 5170H 861.8

Date: 10/04/2011; Aircraft: N65PT
 Tach: 6003.8, TSMOH: 861.8, Eng.TT: 6003.8 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions. #1-78, #2-74, #3-72, #4-78. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Replaced air intake filter pn BA5705. Checked exhaust system and heat muffs. Replaced (2) #4 cyl. exhaust clamps pn 0750161-25. Leak tests OK. Checked engine controls for operation and security. Replaced crossover ducting pn Scat8. C/W AD2008-14-07 - 8/14/2008 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342F - rev. June 4, 2010. Next due by T: 6103.8 or if mtz done to components. C/W AD99-24-10 - 1/14/2000 - Visual inspection of push-pull cable, vacuum lines, saddle fittings and shuttle valve of vacuum standby system for correct installation and wear damage. Para. B(1) due 12 cal. mo., para. B(2) due 10/2012. Test run and flight OK.
 William N. Gough
 AP541569635 IA

date 10/4/11
 I certify that this aircraft has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Applicable A. D. 9-29-11 through 6003.8 complied with 6003.8 total time (or tach reading) 6003.8 signed William N. Gough A & P # AP541569635

Date: 10/18/2011; Aircraft: N65PT
 Tach: 6007.8 - R&R magneto with pn 10-682555-11R, sn H-L070996. Ops check ok.
 William N. Gough
 AP541569635

Date: 2/02/2012; Aircraft: N65PT
 Tach: 6027.3 - Drained engine oil, removed filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of customer supplied Aeroshell w100 oil. Ground ran for leak check, no leaks noted at this time.
 William N. Gough
 AP541569635

- Customer Warranty Record card must be returned and properly completed with defective pump for warranty consideration

445 Cardinal Lane Hartland, WI 53029
www.rapcoinc.com

Page 9 of 32

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Lycoming
Model Number IO-360-A1B6D F.F.
Serial Number L-16460-51A

Total Time 6106.6

TSMO 0.0

Tach Time 6106.6

Date 10/10/2012

WO Number 12393

The following work was performed as requested by the owner: This engine, excluding all accessories, was overhauled in accordance with Lycoming Manual 60294-7 revision 13 dated October 2010 and Table of Limits SSP 1776 revision B dated January 2011. By the owners request no inspections were made of any accessory. See following list of parts installed. Engine was run on a test stand.

Airworthiness Directives

Engine

AD Note	Amend #	Dated	R	Subject	Compliance
2002-12-07	39-12779	07/03/2002	Y	Oil filter adapter	Installed a new 06B23072 gasket in accordance with SB 543A, Supplement 1 and SI 1453. Marked the plate 543. AD Note requires no further inspection.
2004-10-14	39-13644	06/25/2004	Y	Crank & gear	Inspected the crankshaft and dowel pin. Installed a new gear with a new bolt. Torqued bolt to 660 inch pounds and saftied. Work was done in accordance with SB 475C. Compliance with this AD is required before further flight if the engine experiences a propeller strike after the effective date of this AD, as defined in paragraphs (i) and (j) of this AD.
2012-19-01	39-17196	10/24/2012	N	Crankshaft failure	N/A by crankshaft serial number.
Fuel Injection					
2009-02-03	39-15793	02/09/2009	Y	Fuel Servo Plug	The letter G had been previously stamped in the plug. No further action is required by this AD Note.
2011-26-04	39-16894	01/25/2012	Y	Fuel injection lines	Inspected lines and clamps. Routed and clamped in accordance with Lycoming MSB342F. Inspection is required at every 100-hour, every annual, every overhaul and any time any part is loosened or removed for any reason.
2012-03-06	39-16947	02/24/2012	N	Servo diaphragm	N/A by date of the last servo work.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 12393.

Date: 10/10/2012 Signed

Inspector for Premier Aircraft RS JZYR537L.

List of Parts Installed for Work Order No.: 12393

Qty	Part Number	Description	Qty	Part Number	Description
1.0	06B23072	Rubber Gasket	1.0	75441-1	Gasket Set
1.0	1028B	Oil Pressure Ball	4.0	77611	Exhaust Gasket
1.0	13S19649	Crankshaft Gear	4.0	AEL16740	Exhaust Valve
4.0	14H21950P10	Ring	1.0	AN8-14A	Bolt
2.0	14W21696	Counterweight Pin	1.0	CH48103-1	Oil Filter
8.0	15B26066	Hydraulic Lifter	4.0	LW11487S	Piston
4.0	17C19386	Exhaust Valve Cap	8.0	LW12186	Rod Nut
8.0	17C21191	Exhaust Valve Keeper	8.0	LW12596	Rod Bolt
2.0	18A26093M03	Front Main Bearing	4.0	LW13923	Rod Bushing
4.0	18D26096M03	Main Bearing	4.0	LW14078	Piston Pin
8.0	18M23887M03	Rod Bearing	8.0	LW14820	Snap Ring
1.0	61544	Plunger	8.0	M674	Spark Plug Washer
2.0	68H22624	Magneto Drive Cushion	6.0	MS21044N3	Nut
8.0	71907	Counterweight Plate	4.0	SL62388	Cap
8.0	72050	Valve Keeper	8.0	STD1410	Nut
8.0	72198	Aluminum Bronze Piston Pin Plug	1.0	STD1930	Hose
2.0	72797	Counterweight Pin	6.0	STD2013	O Ring
4.0	73810	Crankshaft Bushing	4.0	STD2180	Drain Tube Hose
8.0	74241P10	Ring			

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
Date: 11/01/2012; Aircraft: N65PT Tach: 6106.5, TSMOH: 0.0 - Performed annual inspection IAW FAR 43 appendix D along with engine R&R. Checked magneto to engine timing. Drained oil, took sample. Serviced with 8 qts. of Aeroshell 100M oil. Replaced air intake filter pn BA5705. Checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. C/W AD2011-26-04 - 1/25/2012 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342F - rev. June 4, 2010. Next due by tach: 6206.5 or if any injector maintenance done. C/W AD99-24-10 - 1/14/2000 - Visual inspection of push-pull cable, vacuum lines, saddle fittings and shuttle valve of vacuum standby system for correct installation and wear damage. C/W para. B(1) by visual inspection. Next inspection due 12 cal. mo. C/W para. B(2) by visual and operational inspection. Next due by: 10/2014 (2 cal. yr.) Test run and flight OK. . William N. Gough AP541569635 IA				

11/1/12
I certify that this aircraft has been inspected in accordance with a General inspection and was determined to be in airworthy condition. Applicable A. D. Notes through 10-18-12 complied with 6106
Total time (or tach reading) 6106
Signed William N. Gough A&P # 541569635 IA

Date: 11/14/2012; Aircraft: N65PT
Tach: 6116.6 - Drained engine oil, removed filter. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell 100M oil. No leaks noted. R&R one spark plug with new. Compression check performed. Compressions found: #1-76/80, #2-76/80, #3-78/80, #4-74/80. Replaced one cowl mount. Replaced terminal on #2 heater.
William N. Gough
AP541569635

Date: 3/15/2003; Aircraft: N65PT
Tach: 6149.5 - Drained engine oil, removed filter. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell w100 oil. Ground ran for leak check, no leaks noted at this time.
William N. Gough
AP541569635

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
Date: 5/09/2013; Aircraft: N65PT Tach: 6196 - Drained engine oil, removed filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted at this time. William N. Gough AP541569635				



N65PT
Tach Time: 6212.9

Cessna 177RG

Date: June 10, 2013

Replaced #2 cylinder with overhauled supplied by Premier Aircraft W.O.# 12663. Replaced both pushrods with used serviceable for dry tappet clearances, replaced both hydraulic lifter cups with used serviceable. Inspected oil filter and drained/screened oil. Torqued and installed per Lycoming Direct Drive Overhaul Manual. Serviced engine with 7 quarts of Aeroshell 100 mineral oil and installed new oil filter. Performed ground run-up and tests, prepared for test flight. Returned to service. *Lin L. Holdeman II A&P 2927433*

Date 6/13/13 HOBBS (TACH) TSO / TAT / 6247.7 REG # N65PT

Drained oil, Inspected filter for contamination
none noted, Serviced w 8 qts AS W100 & new AA48103
filter, Run up & leak check ok.

I CERTIFY THAT THE ABOVE MAINTENANCE / REPAIR WAS ACCOMPLISHED / INSPECTED IAW CURRENT FAR AND FOUND AIRWORTHY FOR RETURN TO SERVICE.

SIGNED *Steven Welch*

CERT AP3037638

WORK ORDER AC-11666



4170 US HWY. 2 EAST KALISPELL MT. 406-755-5362

Date: 7/01/2013; Aircraft: N65PT
Tach: 6224.9 - Drained engine oil, removed and cut filter, checks ok. No sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted at this time.
William N. Gough
AP541569635

Date: 7/01/2013; Aircraft: N65PT
Tach: 6224.9 - Installed Tanis threaded bolt style heater element pn TT02771-115/50 in #3 cylinder intake flange IAW TN02771 instructions, rev.B dated May 22, 2013. Installed original CHT probe for primary gauge, with JPI probe pn M113-3/8. Ops checks good.
William N. Gough
AP541569635

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
------	-----------------------	---------------------------	--------------------------	--

Date: 12/18/2013; Aircraft: N65PT
Tach: 6278.0, TSMOH: 171.5, Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions. #1-76, #2-76, #3-78, #4-74. Installed new spark plugs pn RHM38E. Checked magneto to engine timing. Replaced air intake filter pn BA5705 and seal pn BA5703. Checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. C/W AD2011-26-04 - 1/25/2012 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342F - rev. June 4, 2010. Next due by tach: 6378.0 or if any injector mtg done. Test run and flight OK.
William N. Gough
AP541569635 IA

12/18/13
certify that this aircraft has been inspected in accordance with a Normal inspection and was determined to be in airworthy condition. Applicable A. D. Notes through 12-9-13 complied with total time (or tach reading) 6278
A & P # 541569635A

Date: 2/17/2014; Aircraft: N65PT
Tach: 6298.0 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted at this time. R&R all plugs after cleaning and testing.
William N. Gough
AP541569635

Date: 6/26/2014; Aircraft: N65PT
Tach: 6349.4 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted at this time.
William N. Gough
AP541569635

Date: 12/22/2014; Aircraft: N65PT
Tach: 6401.4, TSMOH: 294.9 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions. #1-74, #2-76, #3-76, #4-76/80. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Installed "H" code Gami injector in #2 cylinder and "D" code in #3. Drained oil, took sample and removed filter. Cut and checked ok. Installed new CH48103-1 oil filter and serviced with 8 qts. of Aeroshell W100 oil. Replaced air intake filter pn BA5705. Replaced intake o-ring seal at #2 cyl. intake tube. Checked exhaust system and heat muffs. Leak tests OK. Tightened mixture control in panel and checked engine controls for operation and security. All check OK. C/W AD2011-26-04 - 1/25/2012 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342F - rev. June 4, 2010. C/W by visual inspection of fuel lines, fittings and clamps. Next inspection due by Tach: 6501.4, or if any injector maintenance done. Test run and flight OK.
William N. Gough
AP541569635 IA

12/22/14
certify that this aircraft has been inspected in accordance with a Normal inspection and was determined to be in airworthy condition. Applicable A. D. Notes through 12-23-14 complied with total time (or tach reading) 6401.4
A & P # 541569635A

Form Tracking Number: H-O081045
Contract/Invoice: 0414440

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
Date: 1/26/2015; Aircraft: N65PT 1/23/2015 - Tach: 6407.8 - Removed alternator pn DOFF10300JR, s/n H-N100894 under warranty and installed s/n H-O081045. Replaced regulator, pn DGR6 with s/n 80L49933. Ops test good. William N. Gough AP541569635				⁴ Date: 5/12/2015; Aircraft: N65PT Tach: 6451.7 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100. Ground ran for leak check, no leaks noted at this time. William N. Gough AP541569635
Date: 7/24/2015; Aircraft: N65PT Tach: 6499.0 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted at this time. William N. Gough AP541569635				Date: 11/23/2015; Aircraft: N65PT Tach: 6551.0 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted at this time. William N. Gough AP541569635
Date: 1/15/2016; Aircraft: N65PT Tach: 6554.2, TSMOH: 447.7 - Performed annual inspection IAW FAR 43 appendix D. R&R fuel servo with overhauled unit, pn 2524054-11-H, s/n 72GE3405. See attached tag. Replaced fuel hose, servo to manifold, pn AE3663161E0175. Checked cylinder compressions. #1-78, #2-78, #3-78, #4-78/80. R&R oil dipstick with new gasket and safetied. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Replaced air intake filter pn BA5705. Checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. All check OK. C/W AD2015-19-07 - 11/3/2015 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G revised 07/16/13. Next due by tach: 6654.2 or 12 cal. mo. Test run and flight OK. William N. Gough AP541569635 IA				
Date: 1/15/16 I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Applicable AD notes through <u>12-31-15</u> complied with. Total time (or Tach reading): <u>6554.2</u> Signed <u>[Signature]</u> A&P# <u>541569635</u>				
5/17/2016	Tach 6601.9			
Oil change - See Airframe 105				

Date: 8/26/2016; Aircraft: N65PT
Tach: 6650.1 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 7 qts. of Aeroshell W100 oil and 11 oz. of Camguard. Ground ran for leak check, no leaks noted at this time.
William N. Gough
AP541569635

Date: 11/21/2016; Aircraft: N65PT
Tach: 6683.9 - Replaced oil filter adapter gasket IAW Lycoming SB543C and SI1453 instructions. Ground run good.
William N. Gough
AP541569635

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time
------	-----------------------	---------------------------	--------------------------

Date: 2/06/2017; Aircraft: N65PT

Tach: 6699.5, TSMOH: 593.0 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions. #1-76, #2-76, #3-74, #4-76/80. Replaced all spark plugs, pn RHM38E, due to wear. R&R magneto with overhauled, pn 10-682555-11R, s/n E-12396 and checked magneto to engine timing. Replaced oil tube gasket, pn 72059 and safetied. Drained oil, took sample and removed filter. Cut and checked ok. Installed new CH48103-1 oil filter and serviced with 7 qts. of Aeroshell W100 oil & aprox. 11 oz. of Camguard. Repaired oil cooler mounting flange with doubler. Replaced air intake filter pn BA5705. Checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. C/W AD2015-19-07 - 11/3/2015 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G revised 07/16/13. Next due by tach: 6799.5, or if any injector mtg done. Test run and flight OK.
William N. Gough
AP541569635 IA

Date: 2-6-17

I certify that this aircraft has been inspected
in accordance with a 11-1 inspection
and was determined to be in airworthy condition.
Applicable AD notes through 1-21-17
complied with.

Total time (or Tach reading):

6699

Signed

A&P#

5015196251A

Date: 8/1/2017; Aircraft: N65PT

Tach: 6752.0 - Drained engine oil, removed filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 7 qts. of Aeroshell W100 oil and aprox. 11 oz of Camguard. No leaks noted at this time.
William N. Gough
AP541569635

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Lycoming

Total Time 6770.5

Date 08 Mar 2018

Model Number IO-360-A1B6D F.P.

TSMO 663.9

WO Number 14249

Serial Number L-16460-51A

Tach Time 6770.5

Disassembled and inspected engine due to ferrous metal. See following list of parts installed. The crankcase was repaired by Nickson's, RS 1GSR291C, WO 44236. Checked the valves and guides in cylinder #2. Honed all the cylinders and fit new rings. Assembled engine Work was done in accordance with Lycoming Manual 60294-7, Revision 14, dated July 2011; and Table of Limits SSP-1776-3, dated 31 Jan 2017. Engine was run on a test stand.

Service Information

Document Rev Dated Subject
SB240 W 23 Feb 2012 Replacement parts

Compliance

Parts were replaced in accordance with this Service Bulletin.

Airworthiness Directives

Engine

AD Note Amend # Dated R Subject

2002-12-07 39-12779 03 Jul 2002 Y Oil filter adapter gasket

Compliance

Installed a new 06B23072 gasket in accordance with SB 543A, Supplement 1 and SI 1453.

No further action required by this AD Note.

2015-02-07 39-18074 11 Mar 2015 N Set screw security

Inspected in accordance with paragraph (c). Not applicable. No front mounted governor.

2017-16-11 39-18988 15 Aug 2017 N Connecting rod bushings

Bushings in this engine are not affected by date.

Fuel Injection

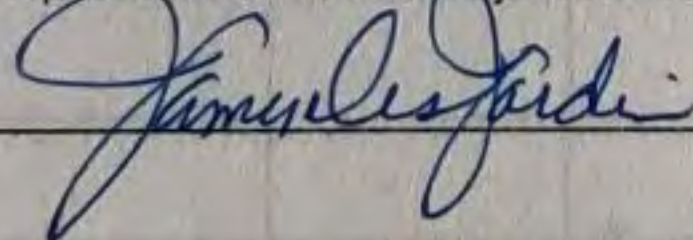
2015-19-07 39-18269 03 Nov 2015 Y Fuel lines and clamps

Inspected lines and clamps. Routed and clamped in accordance with Lycoming Mandatory Service Bulletin MSB342, Revision G, dated 16 Jul 2013; MSB342G, Supplement 1, dated 29 Aug 2013; and MSB342, Supplement 2, dated 23 Jan 2014, as specified in paragraph (e) (1) (i) & (ii).

Re-inspect after any maintenance is done on the engine where any clamp on a fuel injector fuel line was disconnected, moved, or loosened, and within every 110 hours TIS and after each engine overhaul. Use Lycoming Engines MSB No. 342G, dated July 16, 2013; Supplement No. 1 to MSB No. 342G, dated August 29, 2013; and Supplement No. 2 to MSB No. 342G, dated January 23, 2014 to perform the inspection. Use the Fuel Line Inspection and Installation Checklist in MSB No. 342G to perform the re-inspection.

No work was done to and no inspection was made of any accessory.

Date: 08 Mar 2018 Signed



Inspector for Premier Aircraft RS JZYR537L.

Qty Part Number / Description

1.0 06B23072 / Rubber Gasket
2.0 1185-4CN-0500 / 1/4X20 Heli Coil Insert
8.0 15B26262 / Lifter Body
2.0 17C21191 / Exhaust Valve Keeper
2.0 18A26093M03 / Front Main Bearing
4.0 18D26096M03 / Main Bearing
1.0 61084 / Oil Pressure Spring
2.0 72050 / Valve Keeper
1.0 75441-1 / Gasket Set
1.0 CH48103-1 / Oil Filter

Qty Part Number / Description

1.0 LW18840 / Camshaft
8.0 M674 / Spark Plug Washer
6.0 MS21044N3 / Nut
1.0 MS9144-01 / Governor Gasket
4.0 SL3601SCP10 / Ring Set
8.0 STD1410 / Nut
6.0 STD2013 / O Ring
4.0 STD2180 / Drain Tube Hose
3.0 STD2249 / Nut

Date: 3/02/2018; Aircraft: N65PT
Tach: 6770.5, TSMOH: 663.9 - Removed engine for repair. Re-installed using existing motor mount isolators and fluid bearing hoses. Replaced control rod ends and ducting as needed. Test run and flight OK. Leak check OK.
William N. Gough
AP541569635

Date: 3/03/2018; Aircraft: N65PT
Tach: 6770.5, TSMOH: 663.9 - Performed annual inspection IAW FAR 43 appendix D. Checked magneto to engine timing. Installed new CH48103-1 oil filter and serviced with 8 qts. of Aeroshell 100 mineral oil. Replaced air intake filter pn BA5705. Checked exhaust system and heat muff. Leak tests OK. Checked engine controls for operation and security. C/W AD2015-19-07 - 11/3/2015 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G revised 07/16/13. Next due by tach: 6870.5 or if any injector mtb done. Test run and flight OK.
William N. Gough
AP541569635

Date: 3/22/2018; Aircraft: N65PT
Tach: 6782.3 - Drained engine oil, removed filter. Cut and checked OK. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 7 qts. of Aeroshell 100 mineral oil. Swapped #2 and #4 cylinder CHT wires and probes.
William N. Gough
AP541569635

Date: 3-3-18
I certify that this aircraft has been inspected
in accordance with a Am1 inspection
and was determined to be in airworthy condition.

Applicable AD notes through 3-2-18
complied with.

Total time (or Tach reading): 6770

Signed [Signature] A&P# 541569635/A

Date: 5/31/2018; Aircraft: N65PT
Tach: 6808.6 - Drained engine oil, removed filter. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of oil. Ground ran and no leaks noted.
William N. Gough
AP541569635

Date: 10/09/2018; Aircraft: N65PT
Tach: 6857.7 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. No leaks noted at this time.
William N. Gough
AP541569635

11. Status/Work:
 5. Work Order/Contract/Invoice Number:
 APPROVAL TAG
 ERTIFICATE
 E-12396
 MW21050

Date	Time	Time Since	Tach or Hobbs	Description of work performed including the signature and certificate number of the person performing the work
				Date: 2/13/2019; Aircraft: N65PT Tach: 6885.1 - R&R magneto for inspection. Replaced cylinder #2 top and bottom leads with kit p/n M7502-72. Repaired shielding on #1 cylinder top plug. Replaced ignition switch p/n A3650-2. William N. Gough AP541569635
				Date: 3/14/2019; Aircraft: N65PT Tach: 6886.1 - R&R magneto p/n 10-682555-11, s/n E12396 after repair by Kelly Aerospace Energy Systems, WO# MW21050. See attached tag. Test run and test flight OK. William N. Gough AP541569635
				Date: 3/26/2019; Aircraft: N65PT Tach: 6889.8, TSMOH: 783.2 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions. #1 76/80, #2 74/80, #3 74/80, #4 78/80. Cleaned, inspected, and rotated spark plugs. Replaced (1) spark plug p/n REM38E. Installed new seals on cyl #2 push rod tube and replaced cover gasket. Checked magneto to engine timing. Drained oil, took sample and removed filter. Cut and checked ok. Installed new CH48103-1 oil filter and serviced with 7 qts. of customer supplied Aeroshell W100 oil. Replaced air intake filter pn BA5705. Replaced vacuum filters p/n AAD9-18-1 and p/n B3-5-1. CW AD2015-19-07 - 11/3/2015 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G revised 07/16/13. Next due by tach: 6989.8, or if any injector mtx done. Checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. All check OK. Test run and flight OK. William N. Gough AP541569635 IA Date: <u>3-26-19</u> that this aircraft has been inspected in accordance with a <u>Ann 1</u> inspection and was determined to be in airworthy condition. Applicable AD notes through <u>3-21-19</u> complied with. Total time (or Tach reading): <u>6889.8</u> Signed <u>[Signature]</u> A&P# <u>5 UPS 69635/11</u>
				Date: 8/20/2019; Aircraft: N65PT Tach: 6940.5 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 8 qts. of Aeroshell W100 oil. No leaks noted at this time. William N. Gough AP541569635
				Date: 3/06/2020; Aircraft: N65PT Tach: 6992.3 - Drained engine oil, removed and cut filter. Collected oil sample. Installed new filter pn CH48103-1 and safety wired. Refilled sump with 7 qts. of Aeroshell W100 oil and Camguard. No leaks noted at this time. William N. Gough AP541569635

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
------	-----------------------	---------------------------	--------------------------	--

Date: 3/19/2020; Aircraft: N65PT

Tach: 6995.5, TSMOH: 888.9 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions. #1 74/80, #2 74/80, #3 74/80, #4 74/80. Cleaned, inspected, and rotated spark plugs. Installed new seal on cyl #2 push rod tube p/n LW18661 and gaskets. Checked magneto to engine timing. Replaced air intake filter pn BA5705. Replaced filter AA2J4-7. C/W AD2015-19-07 - 11/3/2015 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G revised 07/16/13. Next due by tach: 7095.5, or if any injector mtb done. Checked exhaust system and heat muffers. Leak tests OK. Checked engine controls for operation and security. All check OK.

Test run OK.

William N. Gough

AP541569635 IA

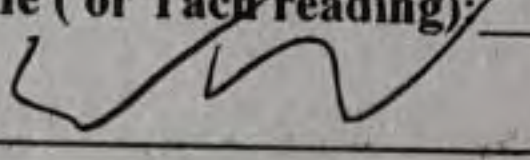
Date: 3-19-20

I certify that this aircraft has been inspected in accordance with a Ann inspection and was determined to be in airworthy condition.

Applicable AD notes through 3-21-20

complied with.

Total time (or Tach reading): 6995.5

Signed 

A&P# 541569635IA

Date: 8/14/2020; Aircraft: N65PT

Tach: 7039.1 - Drained engine oil, removed oil filter, cut and checked. Collected oil sample. No contaminants found. Installed new CH48103-1 oil filter. Serviced with 7 qts. of Aeroshell W100 oil. Leak test OK.

William N. Gough

AP541569685

Date: 3/26/2021; Aircraft: N65PT

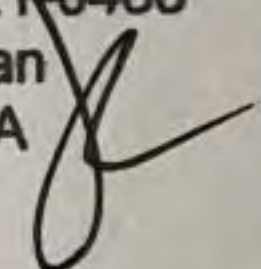
Tach: 7089, TSMOH: 982.5 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions #1-75/80, #2-76/80, #3-75/80, #4-76/80. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Drained oil, took sample and removed filter. Cut and checked ok. Installed new CH48103-1 oil filter and serviced with 8 qts. of Aeroshell W100 oil and Camguard. Replaced air intake filter pn BA5705. Pressure checked exhaust system and heat muffers. Leak tests OK. Checked engine controls for operation and security. All check OK. C/W AD2015-19-07 - 11/3/2015 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G revised 07/16/13. Next due by tach: 7189 (100hrs) or if any injector mtb done. Replaced #2 intake pushrod tube seals, pn LW18661. Replaced 2 spark plugs, pn RHM38E. Test run and flight OK.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Aero Maintenance, Inc.

Shop Order 21-0488

Jason Cochran

AP3316647 IA 

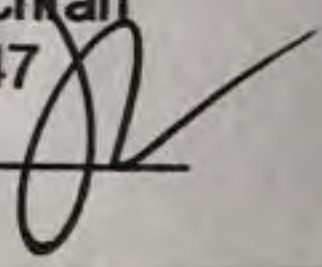
Date: 8/04/2021; Aircraft: N65PT

Tach: 7132.2 - Drained engine oil, removed oil filter, cut and checked. No contaminants found. Collected oil sample. Installed new filter pn CH48103-1. Serviced with 7 qts. of Aeroshell W100 oil. Ground ran for leak check, no leaks noted at this time.

Aero Maintenance, Inc.

Shop Order 21-0720

Jason Cochran

AP3316647 



GALVIN FLYING

TAKE FLIGHT, OPPORTUNITIES FOR LIFE

Registration: N65PT Model: C-177RG Serial: 177RG1086 Tach: 7137.4 Date: 08/18/2021

Removed all sparkplugs, cleaned and inspected. Found top and bottom sparkplugs to be out of limits in cylinders 1,2 and top sparkplug on 3. replaced all out of limits sparkplugs with new part number RHB38E. Operations check nominal.

Darrah Bosse A&P 4439862

Galvin Flying Maintenance, 7001 Perimeter Rd. S, Seattle, WA 98108

Signature
Date

Date: 3/25/2022; Aircraft: N65PT

Tach: 7163.4, TSMOH: 1056.6, EngTT: 7163.4 - Performed annual inspection IAW FAR 43 appendix D.

Checked cylinder compressions #1-76/80, #2-76/80, #3-74/80, #4-74/80. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Drained oil, took sample and removed filter. Cut and checked ok. Installed new CH48103-1 oil filter and serviced with 8 qts. of Aeroshell W100 and oil. Replaced air intake filter pn BA5705. Pressure checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. All check OK. C/W AD2015-19-07 - 11/3/2015 - Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G. Next due by tach: 7263.4, or if any injector mtg done. Replaced #1 and #3 exhaust gaskets. Test run OK.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Aero Maintenance, Inc.

Shop Order 22-1032

Jason Cochran

AP3316647 IA

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Lycoming

Total Time 7200.5

Date 07 Feb 2024

Model IO-360-A1B6D F.F.

TSMO 1093.9

WO Number 15504

Serial Number L-16460-51A

Tach Time 7200.5

Engine was disassembled due to a cracked crankcase. Installed a case repaired by Divco, RS DB2R762K, on their work order 133975. See following list of parts installed. Assembled engine. Work was done in accordance with Lycoming Manual 60294-7, Revision 14, dated July 2011; and Table of Limits SSP-1776-5, dated 13 Apr 2020. Engine was run on a test stand - no defects noted.

Service Information

Document Rev Dated Subject
SB240 W 23 Feb 2012 Replacement parts

Compliance
Parts were replaced in accordance with this Service Bulletin.

Airworthiness Directives

Engine

AD Note Amend # Dated R Subject
2015-02-07 39-18074 11 Mar 2015 N Set screw security

Compliance
Inspected in accordance with paragraph (c). Not applicable. No front mounted governor.

2017-16-11 39-18988 15 Aug 2017 N Connecting Rod Bushings

Inspected. Not applicable by bushing manufacture date. Tested with Lycoming tool - no defects noted.

Fuel Injection

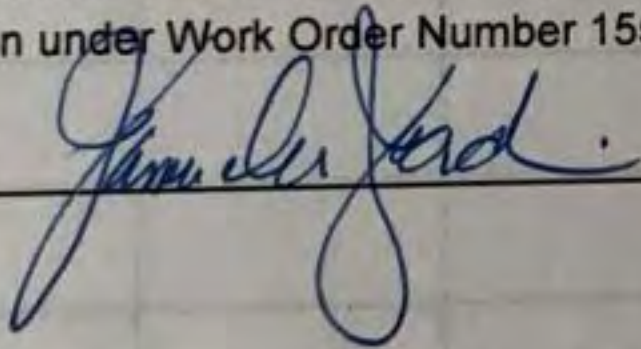
2015-19-07 39-18269 03 Nov 2015 Y Fuel lines and clamps

Inspected lines and clamps. Routed and clamped in accordance with Lycoming Mandatory Service Bulletin MSB342, Revision G, dated 16 Jul 2013; MSB342G, Supplement 1, dated 29 Aug 2013; and MSB342, Supplement 2, dated 23 Jan 2014, as specified in paragraph (e) (1) (i) & (ii).

Re-inspect after any maintenance is done on the engine where any clamp on a fuel injector fuel line was disconnected, moved, or loosened, and within every 110 hours TIS and after each engine overhaul. Use Lycoming Engines MSB No. 342G, dated July 16, 2013; Supplement No. 1 to MSB No. 342G, dated August 29, 2013; and Supplement No. 2 to MSB No. 342G, dated January 23, 2014 to perform the inspection. Use the Fuel Line Inspection and Installation Checklist in MSB No. 342G to perform the re-inspection.

No work was done to the cylinders, fuel injection system, or the magneto.

The work described in this maintenance record was accomplished on the article(s) identified in this maintenance record in accordance with Title 14, Code of Federal Regulations, Part 43, and in respect to that work the article(s) are approved for return to service. Pertinent details are on file at this Repair Station under Work Order Number 15504.

Date: 07 Feb 2024 Signed  Inspector for Premier Aircraft RS JZYR537L.

List of Parts for Work Order No.: 15504

Qty Part Number / Description

1.0 17T22209 / Oil Drain Back Tube Assembly
1.0 23D26777 / Fuel Pump Plunger
1.0 AA48103-2 / Oil Filter
4.0 AEL11021M03 / Main Bearing
2.0 AEL13884M03 / Front Main Bearing
1.0 LW10286 / Gear
1.0 LW12369-REP / Repaired Crankcase

S/N: 1290

Qty Part Number / Description

1.0 LW12944 / Gasket Set
6.0 LW16266-10-13 / Clamp
4.0 LW16266-10-75 / Clamp
1.0 LW16266-25-38 / Clamp
8.0 M674 / Spark Plug Washer
4.0 STD2180 / Drain Tube Hose

Date: 2/28/2024; Aircraft: N65PT

Tach: 7200.5 - Reinstalled engine after removal for crankcase replacement. Reinstalled all baffling, accessories/componets, SCAT, and rigged engine controls. Engine disassembled/reassembled performed by Premier Aircraft under WO# 15504 dated 02/07/2024, see logbok entry for details. Test run good.

I Aero Maintenance, Inc.

Shop Order 23-2065

Jason Cochran

AP3316647

Date: 2/28/2024; Aircraft: N65PT

Tach: 7200.5, TSMOH: 1093.8, EngTT: 7200.5 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions #1-77/80, #2-74/80, #3-74/80, #4-74/80. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Drained oil, took sample and removed filter. Cut and checked ok. Installed new AA48103-2 oil filter and serviced with 7 qts. of Aeroshell W100 Plus oil. Replaced air intake filter pn BA5705. Pressure checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. All check OK. C/W AD2015-19-07, 11/3/2015, Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G. Due ea. 100hrs, or if any injector mtix done. Test run OK.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Aero Maintenance, Inc.

Shop Order 23-1673

Jason Cochran

AP3316647 IA

Date: 8/12/2024; Aircraft: N65PT

Tach: 7212 - Replaced two spark plug with new, p/n URHM38E. Checked magneto to engine timing. Performed compression check, checked ok. Performed visual inspection of induction and exhaust system.

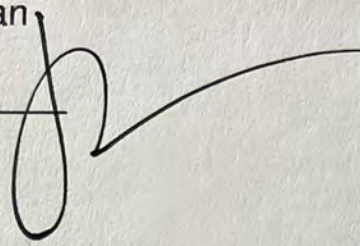
Aero Maintenance, Inc.

Shop Order 24-2433

Jason Cochran

AP3316647

Jason Cochran
AP3316647



Date: 4/18/2025; Aircraft: N65PT

Tach: 7217.6, TSMOH: 1,110.9, EngTT: 7217.6 - Performed annual inspection IAW FAR 43 appendix D. Checked cylinder compressions #1-72/80, #2-70/80, #3-72/80, #4-74/80. Cleaned, inspected, and rotated spark plugs. Checked magneto to engine timing. Drained oil, took sample and removed filter. Cut and checked ok. Installed new AA48103-2 oil filter and serviced with 7 qts. of Aeroshell W100 oil. Replaced air intake filter pn BA5705. Pressure checked exhaust system and heat muffs. Leak tests OK. Checked engine controls for operation and security. CW AD2024-21-02, 12/05/2024, by inspecting oil filter element and suction screen for bronze particles per AD, due ea. oil change until affected connecting rod assembly are replaced. C/W AD2015-19-07, 11/3/2015, Visual inspection of fuel injector fuel lines, fittings and clamps for wear IAW Lycoming MSB342G. Due ea. 100hrs, or if any injector mx done. Test run OK.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Aero Maintenance, Inc.

Shop Order 25-2736

Jason Cochran
AP3316647 IA

