

Book # 2

ENGINE MAINTENANCE RECORDS



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ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N44UG

Engine Manufacturer Lycoming

Model O-540-B4B5

Serial No. L-24416-40A

Date installed on aircraft Nov, 2003

Time Between Overhauls (TBO) 2,000 Hours

If used on multi-engine aircraft:

RIGHT

LEFT

FRONT

REAR

DATE _____

TACH OR
RECORDING
METER
TIME

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



**WESTERN
Skyways**
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place
Montrose, CO 81401
www.westernskyways.com

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(970) 240-0000
FAX: (970) 288-4100

Engine Make: LYCOMING Model: O-540-B4B5
 Serial Number: ~~60294-7-9~~ L-24416-40A W/O No: 16289 Date: 08/01/03
 Warranty Number: G3148 Warranty Start Date: 08/03
 Crankshaft Serial No: V13367 Cylinder Part Number: EC75971CN

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: 60294-7-9 See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 1046.0 Hrs.

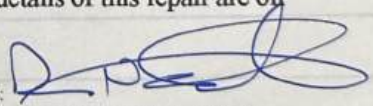
This engine meets requirements of LYCOMING SI-1009AQ for 2000.0 Hour TBO.

The accessories listed below were overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	6350	03052069	Vac Pump:	N/A	N/A
R/H Mag:	6355	03050418	Wastegate:	N/A	N/A
Fuel Pump:	AF15472	F000086	Alt/Gen:	N/A	N/A
Inj/Carb:	10-4404	R287023	Pop Off:	N/A	N/A
Man Valve:	N/A	N/A	Controller:	N/A	N/A
Starter:	14912LS	F2L-460212	VAPC:	N/A	N/A
Turbo:	N/A	N/A	Fuel Limiter:	N/A	N/A
			Tach Gen:	N/A	N/A
			Hyd Pump:	N/A	N/A

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature: 
 Repair Station No. WS9R575J

DATE TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



LOG ENTRY

REPAIR STATION #: OMKR399L
13251 E. CONTROL TOWER RD., BOX K-12
ENGLEWOOD, CO 80112
(303) 799-8906

DATE: 12/11/03 TOTAL TIME: 1045.1 AFTT TSO 0.0 HOBBS TACH TIME: 859.6

(N44UG)- Straight Flight has completed the following on the engine: 1) Removed existing Lycoming engine model O-540-B4B5, S/N:L-24416-40A on Maule MX7-235, S/N:10088C, and routed to Western Skyways, Inc. for overhaul, reference W.O. #16289; 2) Reinstalled engine in accordance with Lycoming direct drive engine overhaul manual; 3) Serviced engine oil with 12 quarts Phillips 20/50 mineral oil; 4) Replaced all four engine vibration isolator mounts with new P/N:J-7764-20; 5) Replaced all power plant flexible fluid lines with fabricated lines by McAvian Aircraft Supply, reference W.O.#1255; 6) Removed McCauley Governor model C290D3J/T31, S/N:880931 and routed to Aero Propeller & Accessories for overhaul, reference W.O. #14406. Reinstalled after overhaul; 7) Completed leak check, power runs, and adjusted fuel pressure in accordance with manufacturers specification, no discrepancies noted. All maintenance was accomplished using the standard practices in AC43.13-1B, change dated September 8, 1998, and referencing the Lycoming engine and Maule MX7-235 series maintenance manuals. Information on these repairs are on file at Straight Flight facility under project #2917. No change to aircraft weight and balance.

Ernest L Smith
Ernest L Smith, Chief, Straight Flight, Inc.



MAINTENANCE RELEASE FOR REPAIR

STRAIGHT FLIGHT, INC., hereby certifies that
(reference log entry)

Model MX-7-235 Serial No. 10088C
been inspected in accordance with Straight Flight Manual, FAR 43.13, and the FAR's governing the Pertinent details of the repair are on file at this repair station.

Certified by Inspector: *Ernest L Smith* Dated 12/11/03
For STRAIGHT FLIGHT, INC. Repair Station Number: **OMKR399L**
13251 E. Control Tower Rd., Box K-12, Englewood, Co 80112

↑
158 overhaul
prop stroke
2003
859.6 ETT



6-15-04 TACH 893
CHANGED OIL AND FILTER SERVICED WITH
11 QTS SHELL 50W MINERAL. INSTALLED
NEW AIR FILTER AND CHECKED COMPRESSION
#1 79/80 #2 75/80 #3 75/80 #4 75/80 #5 79/80 #6 74/80
APC AP2040088

TACH OR
RECORDING
METER
TIME

DATE

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

9-13-04

9:35:44

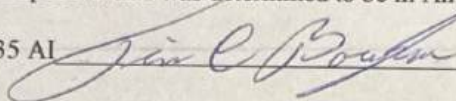
change oil + filter Serviced with 11gts 50wt
Aeroshell ground run, washed Engine ok.

Mark Weber AP 513854069

Engine Log

N44UG 16 September 2004 Tach 0948.5 SMOH 88.9 TTE 1135.0 Lyc. O-540-B4B5
Ser# L-24416-40A. Inspected this aircraft engine per FAR PART 43 Appendix D as
applicable to this aircraft engine. Cylinder compression test 1-77/80, 3-76/80, 5-76/80, 2-
77/80, 4-77/80 and 6-77/80. Spark Plugs checked and magneto timing checked ok.
Induction system and exhaust systems checked ok. Engine ground run up and operational
checks made and found ok. I certified that this aircraft engine has been inspected in
accordance with an Annual Inspection and was determined to be in Airworthy condition
this date and time.

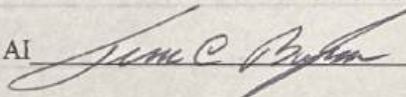
Tim C Boughner AP 2827335 AI



Engine Log

N44UG 24 February 2005 Tach 0967.9 SMOH 108.3 TTE 1154.4 Lyc. O-540-B4B5
Changed oil and filter, oil filter cut open and checked for metals, no metals found; added 10 quarts
oil Aeroshell 80W. Engine ground run and checked for leaks- no leaks noted and returned to
service.

Tim C Boughner AP 2827335 AI

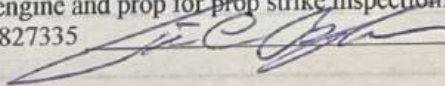


Tim's Aircraft Repair
Vaughan Ranch Airport WN13
360-876-6016

Engine Log

N44UG 8 August 2005 Tach 1008.9 SMOH 149.3 TTE 1195.4 Lyc. O-540-
B4B5. Removed this engine and prop for prop strike inspection.

Tim C Boughner AP 2827335



DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Date: 09/12/05 Total Time: 1195.4 SMOH: 149.3 WO# 05-8914

Repair performed to Lycoming engine model No. O-540-B4B5, serial No.L-24416-40A. Engine disassembled and completely inspected the reciprocating and rotating parts including the crankshaft gear and dowel parts in compliance with Lycoming SB#533A. Replacement parts include Gaskets, seals, induction hoses, main bearings, rod bearings, rod bolts & nuts, all internal stress bolts, lock plates, crankshaft gear dowel, 100% replacement of counterweight bushings, pins and hardware. Counterweights and Tappet bodies reconditioned by: FAA RS#AG2R689K. Camshaft reconditioned by: FAA RS#YECR508L. Cylinder inspection includes a fluid leak check of the valve seating, then new piston rings fitted to a newly honed bore. No. 2 cylinder exhaust guide replaced with new, and grind valves & seats. The following Service Publications have been completed: AD#04-10-14C1 parts (f) & (g); 240S Mandatory parts replacement at normal overhaul and during repair or normal maintenance; 439A Connecting rod inspection for galling and/or fretting; 475C Crankshaft gear modification and assembly procedures. McCauley propeller governor C290D3J/T31, SN:880931 overhauled by: FAA RS#I06R620N. Engine test stand runs performed and filter inspection completed. (end)

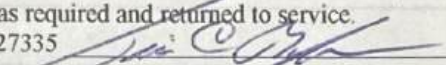


AVIAN AERONAUTICS Inc.

AP2656416 
Christopher Leak

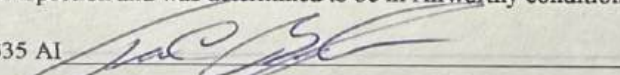
Tim's Aircraft Repair
Vaughan Ranch Airport WN13
360-876-6016

Engine Log

N44UG 15 September 2005 Tach 1008.9 SMOH 149.3 TTE 1195.4 Lyc. O-540-B4B5. Reinstalled this engine after prop strike inspection and test stand run by Avian Aeronautics Inc. This installation done in accordance with Maule maintenance and parts manuals. Installed new McCauley prop B3D32C414-C/G-82NDA-2 SN. 050712 with new spinner D-6240 per TCD# 3A23, Note: 14, dated March 6, 2003. Engine ground run up, set idle and mixture as required and returned to service.
Tim C Boughner AP 2827335 

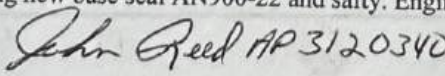
Tim's Aircraft Repair
Vaughan Ranch Airport WN13
360-876-6016

Engine Log

N44UG 15 October 2005 Tach 1010.4 SMOH 150.8 TTE 1196.9 Lyc. O-540-B4B5. Inspected this engine per FAR PART 43 Appendix D as applicable to this engine. Cylinder compression test 1-76/80, 3-72/80, 5-76/80, 2-76/80, 4-75/80 and 6-76/80. Magneto timing checked and reset as required. Plugs cleaned, gaped and tested and reinstalled with new gaskets. Exhaust and intake system checked and found ok. Engine ground run up and checked ok. I certified that this engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition this date and time.
Tim C Boughner AP 2827335 AI 

N44UG
4-4-2006
Tach: 1018.0
SMOH: 158.4, TTE: 1204.5

Removed oil pressure regulator and installed new spring P/N SL61084 (medium tension). Reinstalled using new base seal AN900-22 and safty. Engine was run and leak checked.


John Reed AP 3120340

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Tim's Aircraft Repair
Vaughan Ranch Airport WN13
360-876-6016

Engine Log

N44UG 23 July 2006 Tach 1021.0 SMOH 161.4 TTE 1206.5 Lyc. O-540-B4B5.
Inspected this engine per FAR PART 43 Appendix D as applicable to this engine.
Cylinder compression test 1-75/80, 3-75/80, 5-76/80, 2-75/80, 4-76/80 and 6-75/80.
Magneto timing checked and reset as required. Plugs cleaned, gaped and tested and
reinstalled with new gaskets. Exhaust and intake system checked and replaced left hand
muffler heat shroud, system rechecked and found ok. Replaced rear and center baffle
seal. Changed oil and filter, added 12Qts Phillips 20W50 and oil filter cut open and
inspected, no metals found. Engine ground run up and checked ok. I certified that this
engine has been inspected in accordance with an Annual Inspection and was determined
to be in Airworthy condition this date and time.
Tim C Boughner AP 2827335 AI

Oil Change

August 23, 2006

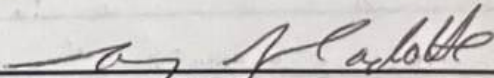
N44UG

Lycoming O-540-B4B5

SN: L-24416-40K

Tach: 1043.4

Drained oil, sampled for oil analysis. Replaced filter
with new Champion CH48110. Added 10 quarts
Phillips X/C 20W-50.


Anthony J. Cadotte
A&P 2762352IA

Oil Change

April 16, 2007

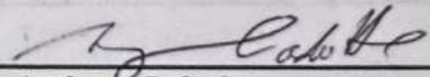
N44UG



Lycoming O-540-B4B5

SN: L-24416-40K

Tach: 1071.2

Drained oil, sampled for oil analysis. Replaced filter
with new Champion CH48110. Added 10 quarts
Aeroshell 15W-50.


Anthony J. Cadotte
A&P 2762352IA

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Engine Annual Inspection		
		<p>May 14, 2007 Lycoming O-540-B4B5 Tach: 1085.1</p> <p style="text-align: right;">N44UG SN: L-24416-40A TSMOH: 225.5</p> <p>Compression check: #1:78; #2: 78; #3: 74; #4: 76; #5: 73; #6: 75. Drained oil; added 9 quarts Aeroshell 15W-50 and new filter. Drew oil sample for analysis. Replaced vacuum pump with rebuilt 211cc. All controls function checked and inspected. Verified all ADs complied with; owner furnished with list. This engine inspected IAW an Annual Inspection and found to be airworthy.</p> <p style="text-align: right;"><i>[Signature]</i> Anthony J. Cadotte A&P 2762352IA</p>
		<div style="border: 1px solid black; padding: 5px;">  <p style="text-align: right;">10000 Flying Cloud Drive Eden Prairie, MN 55347</p> <p>952 / 941-2783 800 / 525-2783 fax 952 / 941-0206</p> <p>C.R.S. QI2R110L</p> <p>ENGINE MAULE M-X7-235, SN 10088C, N44UG TACH: 1118.0</p> <p>Drained oil and removed filter. Cut filter and checked for metal. Found ok. Serviced engine with 12 qts. Phillips 20W50XC and installed oil filter p/n AA48110. Took oil sample. Checked tires and battery. Washed engine. Post operations check was good.</p> <p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under: Work Order #19369 dated 08/28/2007</p> <p>Signed: <i>[Signature]</i> Zayen Krause</p> </div>
		<div style="border: 1px solid black; padding: 5px;">  <p style="text-align: right;">10000 Flying Cloud Drive Eden Prairie, MN 55347</p> <p>952 / 941-2783 800 / 525-2783 fax 952 / 941-0206</p> <p>C.R.S. QI2R110L</p> <p>MAULE MX7-235, SN 10088C, N44UG TACH: 1119.8</p> <p>Removed old tach cable assy. and installed new cable and housing assembly p/n U1713-R325. Sealed firewall hole. Post operations check was good.</p> <p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under: Work Order #19388 Dated 09/17/2007</p> <p>Signed: <i>[Signature]</i></p> </div>

TACH OR RECORDING METER TIME

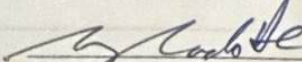
DATE

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Engine Annual Inspection

May 21, 2008 N44UG
Lycoming O-540-B4B5 SN: L-24416-40A
Tach: 1140.8 TSMOH: 281.2

Compression check: #1:76; #2: 79; #3: 72; #4: 7.78;
#5: 75; #6: 78.
Drained oil; added 9 quarts Phillips X-C 20W-50 and new CH48110 filter. Drew oil sample for analysis.
All controls function checked and inspected.
Verified all ADs complied with; owner furnished with list. This engine inspected IAW an Annual Inspection and found to be airworthy.


Anthony J. Cadotte
A&P 276235 2IA



MAULE MX7-235, SN 10088C, N44UG
TACH: 1148.3

Installed new EGT probe p/n 86255. Post operations check was good.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:
Work Order #19955 Dated 07/14/2008

Signed: 

10000 Flying Cloud Drive
Eden Prairie, MN 55347

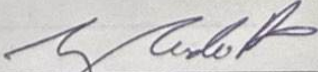
952 / 941-2783
800 / 525-2783
fax 952 / 941-0206

C.R.S. QI2R110L

EGT Probe Replaced

July 28, 2008 N44UG
Lycoming O-540-B4B5 SN: L-24416-40A
Tach: 1089.2

Removed faulty EGT temperature probe, installed new probe.
Function checked okay.


Anthony J. Cadotte
A&P 276235 2IA

DATE

10000 Flying Cloud Drive
Eden Prairie, MN 55347952 / 941-2783
800 / 525-2783
fax 952 / 941-0206

C.R.S. Q2R110L

Page No.

ENGINE

MAULE, S/N 10088C N44UG

TACH: 1156.9

Changed oil and filter with CH48110-1 and 11 qts Phillips 20W-50 X/C. Cut filter and inspected for metal, none found. Ran aircraft, leak checked good.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:
Work Order #20035 dated 08/14/2008

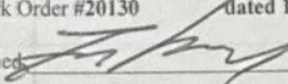
Signed  Zayen Krause10000 Flying Cloud Drive
Eden Prairie, MN 55347952 / 941-2783
800 / 525-2783
fax 952 / 941-0206

C.R.S. Q2R110L

MAULE MX7-235, SN 10088C, N44UG

HOBBS: 1191.7

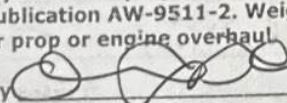
Drained oil and removed filter. Cut filter and inspected for metal, none found. Serviced engine with 10 qts. Phillips 20W50XC and installed oil filter CH48110-1. Washed engine, checked tires. Installed new spark plug on #2 upper. Post run checked good.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:
Work Order #20130 dated 10/10/2008

Signed  Zayen Krause

Date 11/25/08

Tach 1195.6

.25 lbs → 4.021 lbs
Dynamically balanced prop in accordance with Chadwick-Helmuth publication AW-9511-2. Weights must be removed after either prop or engine overhaul 19.15 → 53°

Balanced by  A&P Cert# 3038682
Harmony Aviation Doug Shears 1-800-SPIN-BALANCE

Engine Annual Inspection

May 21, 2009

N44UG

Lycoming O-540-B4B5

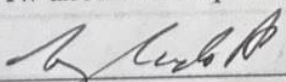
SN: L-24416-40A

Tach: 1202.2

Compression check: #1:76; #2: 79; #3: 78; #4: 7.78;
#5: 67; #6: 77.

Drained oil; added 10 quarts Phillips X-C 20W-50 and new CH48110 filter. Drew oil sample for analysis.
All controls function checked and inspected.

Verified all ADs complied with; owner furnished with list. This engine inspected IAW an Annual Inspection and found to be airworthy.


Anthony J. Cadotte
A&P 276235 2IA

DESCRIPTION OF WORK PERFORMED
DATE: _____ NAME OF PERSON PERFORMING WORK: _____

TACH OR RECORDING


DATE



MAULE MX-7-235, SN 10089C, N44UG
TACH: 1227.7

Drained oil and removed filter. Checked for metal and found ok.
Serviced engine with 9 qts. Phillips 20W50XC and installed filter CH48110-1. Added AvBlend.
Took oil sample. Serviced tires and battery. Washed engine. Post operation run leak checked good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under: Work Order #20763 Dated 11/13/2009

Signed:  Zayen Krause

10000 Flying Cloud Drive
Eden Prairie, MN 55347

952 / 941-2783
800 / 525-2783
fax 952 / 941-0206

C.R.S. Q2R110L

Engine Annual Inspection

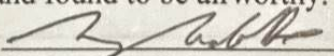
June 4, 2010 N44UG
Lycoming O-540-B4B5 SN: L-24416-40A
Tach: 1254.8

Compression check: #1:76; #2: 78; #3: 78; #4: 7.78;
#5: 61; #6: 78.

Drained oil; added 9 quarts Phillips X-C 20W-50 and new CH48110 filter. Drew oil sample for analysis.

Replaced Brackett air filter element. All controls function checked and inspected.

Verified all ADs complied with. This engine inspected IAW an Annual Inspection and found to be airworthy.


Anthony J. Cadotte
A&P 276235 2IA



MAULE MX-7-235, SN 10088C, N44UG
TACH: 1276.1

Removed oil cooler and sent out for repair. Reinstalled repaired oil cooler. Installed new airduct p/n 5278 for engine. Post operations run was good. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:

Work Order #21302 Dated 09/21/2010

Signed:

10000 Flying Cloud Drive
Eden Prairie, MN 55347

952 / 941-2783
800 / 525-2783
fax 952 / 941-0206

C.R.S. Q2R110L

WORK



MAULE MX-7-235, SN 10088C, N44UG
TACH: 1289.3

Removed cylinder #5 and sent to Bolduc for repair. Reinstalled repaired cylinder. Installed serviceable tail pipe with cabin heat shroud. Post operations check was good. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:

Work Order #21460 Dated 12/21/10

Signed:

10000 Flying Cloud Drive
Eden Prairie, MN 55347

952 / 941-2783
800 / 525-2783
fax 952 / 941-0206

C.R.S. Q2R110L

6/8/11 Tach 1296.7

Cleaned plugs, changed oil & filter. Opened Filter and found OK. Serviced with 9qt 20W-50 XC and 1 qt Avialad compound. Replaced AirFilter. Run-up OK no leaks at this time.

ATP 2303817

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3/14/11	Tach 1304.0 TSMOH 444.4	<p>100hr Annual inspection completed this date. Comp check #1 78/80 #2 75/80 #3 74/80 #4 76/80 #5 76/80 #6 74/80 Replaced Air filter. See AD list for reference. Run up OK no leaks at this time. This engine has been inspected I/A on Annual inspection and found to be in Airworthy condition.</p> <p><i>[Signature]</i> A/P 2303817IA</p>

Date: 9-14-2011 Reg #: N44UG Tach: 1331.4

Changed oil and filter, 11 qts 20W-50XC oil and AA48110-2 filter. Cut open filter, OK. Run up and leak check OK.

[Signature]
Robert Timm, A&P2699420

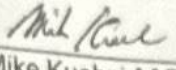

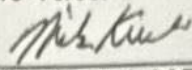



Date: 4-1-2012 Reg#: N44UG Tach: 1345 ACTT:1530.5 EngTT:1531.4 EngSMOH:485.4 PTT:485.4

Performed 100 hour routine servicing. Reinstalled cylinder #3 with new rings after repair at Bolduc Aviation WO 25464. Performed compression test: #1=77/80, #2=76/80, #3=62/80, #4=76/80, #5=78/80, #6=79/80. Changed oil & filter. Inspected oil filter and found no metal. Serviced engine with 10 quarts 20W-50XC. Replaced spark plugs with UREM30E. Moved oil temp sensor to correct location per Maule Service Letter No 70. Performed 500 hr mag inspection. Replaced brush and cam in each mag. Replaced all exhaust gaskets and number 2 intake gasket. Checked controls and lubed. Run up and leak check OK. Researched AD's through 2012-4.

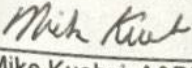
[Signature]
Dave Backes A/P 3411169




DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED
Date: 8-3-2012	Reg #: N44UG Tach: 1379.0	Changed oil and filter, 9 qts 20W-50XC oil and AA48110-2 filter. Cut open filter, OK. Run up and leak check OK.
 Mike Kuehni A&P2662300		Date: 9-20-2012 Reg #: N44UG Tach: 1399.4 Changed oil and filter. 8 qts 20W50XC with Camguard and AA48110-2. Cut open filter OK. Cylinder leakage checked #1=74/80, #2=68/80, #3=75/80, #4=73/80, #5=75/80, #6=78/80.
		 Mike Kuehni, A&P2662300 

Date: 9-20-2012 Reg #: N44UG Tach: 1396.4

Removed floats and reinstalled wheel gear. Rotated LH tire. Aired tires and bled brakes.

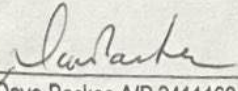

Mike Kuehni, A&P2662300



Date: 5-15-2012 Reg#: N44UG Tach: 1415 ACTT:1600 5 EngTT:1601.4 EngSMOH:555.4
 2013 PTT:555.4

Performed 100 hour routine servicing. Performed compression test #1=73/80, #2=78/80, #3=74/80, #4=74/80, #5=74/80, #6=79/80. Changed oil and filter. 10 qts 20W50XC with Camguard and AA48110-1. Cut open filter, no metal found. Checked controls and lubed. Run up and leak check OK.

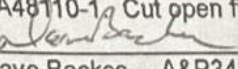
Researched AD's through 2013-08.



Dave Backes A/P 3411169



Date: 8-30-2013 Reg #: N44UG Tach: 1445.1

Changed oil and filter. 10 qts 20W50XC with Camguard and AA48110-1. Cut open filter OK.


Dave Backes A&P3411169



DATE TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Date: 4-27-2016 Reg#: N44UG Tach: 1554 ACTT: 1739 EngTT: 1739 EngSMOH: 694 PropTT: 694 PropSOH: 0

100 hour inspection routine servicing.
Cylinder leakage test: #1=76/80, #2=75/80, #3=77/80, #4=72/80, #5=76/80, #6=73/80.
Serviced spark plugs.
R&I RH mag, replaced cam and retimed. Reinstalled and set timing to 25 BTC
Changed oil and filter. 10 qts 20W50XC with Camguard and AA48110-2. Cut open filter, no metal found.
Resealed #3 rocker drain fitting, replaced #6 fitting.
Washed engine. Checked controls and lubed. Run up and leak check OK.
Researched AD's through 2016-08.

I certify this engine has been inspected in accordance with an 100 hour inspection and found to be in airworthy condition.

Mike Kuehni

Mike Kuehni, A&P2662300

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Date: 10-14-2016 Reg #: N44UG Tach: 1585.6

Changed oil and filter. 10 qts 20W50XC with Camguard and AA48110-1. Cut open filter, run up and leak check OK.

Mike Kuehni

Mike Kuehni A&P 2662300

Seaplane Services

SURFSIDE SEAPLANE BASE
LINO LAKES, MINNESOTA
651-792-4703



4/21/17 Tach- 1587.9 ETSOH 727.9 ETT 1772.9

I certify that this engine has been inspected IAW an annual inspection as per FAR 43 (d) and is considered airworthy at this time. Compression checked 72, 68, 66, 65, 72, 64 over 80#. Oil + filter changed - installed - 1-4810 oil filter, 1 pint cam guard, 8 qts 20W50XC Tach AP1926356 IA

Date: 6-1-2017 Reg #: N44UG Tach: 1590.7

Removed wheel gear and reinstalled floats. See floatplane weight and balance. Inspected floats per FAR part 43 appendix D par. (e), (10).

Mike Kuehni

Mike Kuehni, A&P2662300

Seaplane Services

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LINO LAKES, MINNESOTA
651-792-4703

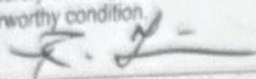


Date: 4-27-2018 Reg#: N44UG Tach: 24 ACTT: 1809 EngTT: 1809 EngSMOH: 764 PropTT: 764
PropSOH: 70

RMED --
RFORMING WORK

Annual inspection and routine servicing.
Cylinder leakage test: #1=74/80, #2=72/80, #3=72/80, #4=72/80, #5=74/80, #6=67/80.
Serviced spark plugs.
Mag timing set timing to 25 BTC
Changed oil and filter. 11 qts 20W50XC with Camguard and AA48110-2. Cut open filter, no metal found.
Replaced gasket on oil pressure relief valve.
Washed engine. Checked controls and lubed. Run up and leak check OK.
Researched AD's through 2018-05.

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


Robert Timm, A&P2699420

Seaplane Services

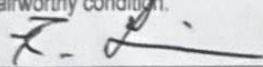
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LINO LAKES, MINNESOTA
651-792-4703



Date: 3-15-2018 Reg#: N44UG Tach: 24 ACTT: 1809 EngTT: 1809 EngSMOH: 764 PropTT: 764
PropSOH: 70

Annual inspection and routine servicing.
Cylinder leakage test: #1=74/80, #2=72/80, #3=72/80, #4=72/80, #5=74/80, #6=67/80.
Serviced spark plugs.
Mag timing set timing to 25 BTC
Changed oil and filter. 11 qts 20W50XC with Camguard and AA48110-2. Cut open filter, no metal found.
Replaced gasket on oil pressure relief valve.
Washed engine. Checked controls and lubed. Run up and leak check OK.
Researched AD's through 2018-05.

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


Robert Timm, A&P2699420

Seaplane Services

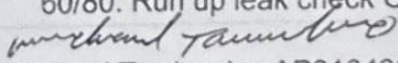
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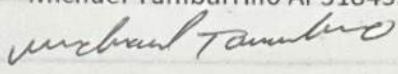
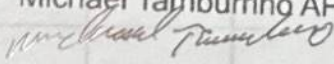
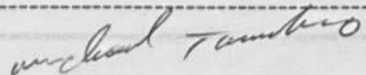


Lakeland Aviation of Minocqua, Inc.

Date: 4-3-19 N 44UG Tach 53.4

I certify that this engine has been inspected IAW
an annual inspection as per FAR 43 Appendix D
and is considered airworthy at this time. Oil &
filter changed, installed 10 qts Phillips 20W50XC
oil & 48110-2 filter. Compressions 74,75,74,72,72
60/80. Run up leak check OK


Michael Tamburrino AP3184331IA

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	Date: 9-26-2019 Reg #: N44UG Tach: 87.2	<p>Changed oil and filter with 10 quarts of Phillips 20W-50XC with camguard, and AA48110-2. Run up and leak check ok.</p> <p> Robert Timm, A&P2699420</p> <p>Seaplane Services SUPERIOR SEAPLANE BASE LINO LAKE, MINNESOTA 651-760-4700</p> 
	Date 5-1-20 N44UG Tach 94.2 Engine TT 1879.2 Engine TSMOH 834.2 Prop.SOH 834.2	<p>Lakeland Aviation of Minocqua, Inc.</p> <p>I certify that this engine and propeller have been inspected IAW an annual inspection as per FAR 43 appendix (d) and are considered airworthy at this time. Compressions read 68-73-76-74-70-75/80. Oil and filter changed, engine serviced with 8 qts Aero Shell 100W mineral oil and 48110 filter. Old filter cut open, contaminants found. Removed #6 cylinder, installed new exhaust valve guide, reground intake and exhaust valves and seats, honed the cylinder and installed new rings and gaskets, reinstalled cylinder and test run OK-----</p> <p>Michael Tamburrino AP3184331IA</p> 
✈	Date:6-9-20 N44UG Tach: 98.6	<p>Drain oil and remove filter, install 10 qts Phillips 20W50Xc oil and 48110 oil filter. Run up leak check OK.-----</p> <p>Michael Tamburrino AP3184331</p> 
	Date 12-14-20 N44UG Tach 120.1	<p>Lakeland Aviation of Minocqua, Inc.</p> <p>Drain oil and remove filter, cut old filter open and check for defects. None found. Service engine with 10 qts Phillips 20W50 XC oil and 48110 oil filter. Run up, leak check OK-----</p> <p>Michael Tamburrino AP3184331IA</p> 

DESCRIPTION OF WORK PERFORMED
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE

TACH OR
RECORDING
METER
TIME

Lakeland Aviation of Minocqua, Inc.

Date 4-6-21 N44UG Tach 125.8

I certify that this engine and propeller has been inspected IAW an annual inspection as per FAR 43 appendix (d) and is considered airworthy at this time. Compressions read 65-64-70-65-70-68. No oil change at this time. Remove prop governor and send to Maxwell Propeller service to comply with AD 2020-19-06. Reinstall governor and ops check OK.

Michael Tamburrino AP3184331IA

Michael Tamburrino

Lakeland Aviation of Minocqua, Inc.

Date 5-14-22 N44UG Tach 164.8 ETSMOH 904.8

I certify that this engine and propeller have been inspected IAW a100hr/annual inspection as per FAR 43 appendix (d) and is considered airworthy at this time. Compressions read 68-74-78-75-60-76/80. Remove #5 cylinder, install new exhaust valve guide, regrind valves and seats, install new piston rings and reinstall cylinder. Install new air filter. Run up leak check OK.

Michael Tamburrino AP3184331IA

Michael Tamburrino

Lakeland Aviation of Minocqua, Inc.

Date 5-26-22 N44UG Tach 166.5

DRqain oil and remove filter. Service engine with 9Qts Phillips 20W50XC oil and 48110 oil filter. Cut old filter open and check for contaminants, none found. Run up leak check OK.

Michael Tamburrino AP3184331IA

Michael Tamburrino

Lakeland Aviation of Minocqua, Inc.

Date 1-17-23 N44UG Tach 190.9 ETT 1004.1

I certify that this engine and propeller have been inspected IAW an annual / 100 hr. inspection as per FAR 43 appendix (d), and is considered airworthy at this time. Compressions read 76-71-72-71-79-75/80. Drain oil and remove filter, cut old filter open and check for defects, none found. Install 9qts Phillips 20W50 Victory oil and 48110 oil filter. Install new BA6108 air filter. Run up, leak check OK.

Michael Tamburrino AP3184331IA

Michael Tamburrino

DATE

Date 2-13-24 N44UG Tach 217.5 ETSOH 957.5

I certify that this engine and propeller has been inspected IAW an annual / 100 hr. inspection as per FAR 43 appendix (d) and is considered airworthy at this time. Compressions read 78-72-75-75-78-70/80. No oil change at this time. Run up, leak check OK.

Michael Tamburrino AP3184331 IA *Michael Tamburrino*

Date 4-6-24 N44UG Tach 222.5

Drain oil and remove filter, cut old filter open and check for defects, none found. Service engine with 11Qts Phillips 20W50XC oil and 48110 oil filter. Run up leak check OK.

Michael Tamburrino AP3184331 IA *Michael Tamburrino*

Date: 2-7-2025 Reg#: N44UG Tach: 252 ACTT: 2037 EngTT: 2037 EngSMOH: 992 PropTT: 992 PropSOH: 298

Annual inspection and routine servicing.
Cylinder leakage test: #1=74/80, #2=76/80, #3=74/80, #4=70/80, #5=78/80, #6=79/80.
Replaced spark plugs UREM40E.
Reinstalled mags after 500 hour inspection Aircraft Magneto Service WO 53777 and 53778.
Mag timing set timing to 25 BTC
Changed oil and filter. 11 qts 20W50XC with Camguard and AA48110-2. Cut open filter, no metal found.
Replaced engine shock mounts J7764-20.
Tightened all induction clamps and rocker screws.
Washed engine. Checked controls and lubed. Run up and leak check OK.
Researched AD's through 2025-02.

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

R. Timm
Robert Timm, A&P2699420

Seaplane Services

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LINO LAKES, MINNESOTA
651-792-4703



Lakeland Aviation of Minocqua, Inc.

Date 3-19-26 N44UG Tach. 286.4 ETT 2071.4 SMOH 1026.4

I certify that this engine and propeller have been inspected IAW an annual / 100 hr. inspection as per FAR 43 appendix (d) and is considered airworthy at this time. Compressions read 75-72-72-80/80/80/80. Drain oil and remove filter, cut old filter open and check for contaminants, none found. Service engine with 10 Qts. Phillips 20W50XC oil and 48110 oil filter. Install new BA6108 air filter. Run up leak check OK.

Michael Tamburrino AP3184331IA *Michael Tamburrino*

