

**Engine Record** General Information

Manufacturer Lycoming Model O-540-B4B5

Serial L-12541-40 Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft N9450W

Minimum Octane Fuel 80 Oil Grade: Summer 50/100 Winter 15W50 30W5

Magneto Time 25° Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer recommended overhaul at 2000.0 hours

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
Feb 12, 1997	2335:75			ENGINE Disassembled For MAJOR overhaul, All Parts Cleaned - All steel Parts MAGNA Fluxed By Clydesdale Inc. Crankshaft, Rocker arms Rebrushed By Clydesdale Inc. A Copy of Inspection Report is Attached to this Log Book. All Aluminium Parts Dye CKA OK. Aircraft Specialties Services supplied the following Reconditioned Parts 2ea 72801 ct. wt. 12ea 72877 Liftens Aero Accessories supplied the following 1ea Airborne Dry Vacuum Pump PN 21102 and 1ea AC Lycoming Fuel Pump PN 41271. Pribe Propeller Shop overhauled

DATE 19 <u>97</u>	R T T
Feb 12, 1997	

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DATE 19 97	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Feb 12, 1997	2335.75			Prop Governor PN F-4-3A.
				The following new parts were installed
				STD main & Rod Bearings, PN \$L13884 2ea
				6ea \$L11020, 2ea \$L42797 Rollers, 2ea
	(ALSO 1 New Conshaft AS13908AL			\$L72965 Rollers, 8ea \$L71907A washers, 8ea
	SN HW1400			\$L14820 snap Rings, 1 ea \$L STD 2209 Crank-
				shaft Gear Bolt 12 ea \$L74644 Rod Bolts, 12ea
				\$L12186 Rod Nuts - 12ea \$L13521 Rod Bearings
				STD size. 6ea \$L Exhaust Valves, 1ea
				\$L17541 Intake Valve, 5ea Serviceable Intake Valves -
				6ea \$L61681A P10 Intake Guides, 6ea \$L74230A
				P10 EX Guides - Ground Seats & Lapped Valves to

Cont. Next Page

DATE 1997	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
Feb 12	2335:75			seats - Capped Rings to STD size Nitrited Steel Barrels, 5ea - Capped Rings to 1 Chrome Barrel Cyl. #5. 5ea Ringset PN \$L 3601-SC and 1ea \$L 5401SC. 6ea STD \$L 75413 Pistons 6ea \$L 13444-1 Piston Pins/w Buttons. 12ea \$L 60009 Valve Keepers, 12ea M\$ 13997-3 Keepers, 6ea M\$ 13998-3 Caps, 12ea \$L 31C-12 STD Exh. studs. 12ea LW 11485 Push Rod Tubes - 1ea \$L 79528 oil Pump Housing 1ea \$L 18109A-S Impeller Kit. 2ea 67542 MAG Drive Bearings 1ea \$L 53E19600 Veratherm Valve. 1ea AN 6-34A Bolt. 4ea M\$ 49005-2 Plugs - 2ea \$L 65441

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Feb 12

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DATE 19 <u>97</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
Feb 12	2335:75			Value Spring Seats, 2 ea \$L 13323 Valve Spring Seats. 12 ea \$L STD-1410 Exh Nuts, 1 ea EBB-75A Starter Bendix, Starter Brushes & Bearings - 1 ea 666-916 Metal Float, 1 ea \$C 194-605 Pump Plunger 1 ea 233-614 Valve & seat, 1 ea 16-625 Gasket set Inspected Both Magnets, Cleaned & Installed new oil seals only, Red coils, Latestyle Rotors, Replaced Impulse Coupling Spring PN 10-51324. overhauled Alternator- ENGINE Reassembled using All New Gaskets, O-Rings and Seals As Required - Installed 12 ea REM 40E Spark Plugs, 1 ea M 2121 Ignition Harness - ENGINE Re Installed in N9450W

CONT NEXT PAGE

DATE 19-97	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Feb 12	2385:75			using New Lord mts PN J-3804-27, serviced ENGINE with 12gts Aeroshell 40/80 mineral oil & CH48110. Fabricated All new oil Coder Hoses with Fire Sleeves, All new Fuel Lines Re installed Prop SN. C416626 no work performed on Prop.
	SMOH	0.0		I certify that this Engine has been overhauled I/A/W Lycoming overhaul Manual PN 60294-7 and current Service Instructions and applicable AD notes. Engine has been Run IN I/A/W SI. 1427B. Robert A. Norman A#P298664021

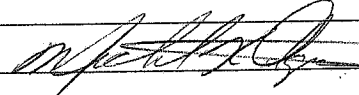
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DATE 19 <u>97</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
Feb 13	2335:75			C/w AD 87-10-06 R1 Rocker Arms N/A 91-14-22 Crankshaft Gear & Bolt 96-09-10 Oil Pump Gears Carbenized & Nitaited Installed. 96-12-07 Impulse Coupling C/w vent Drc @ 2835:75
				I Certify That this <u>ENGINE &amp; Prop</u> Has Been Inspected I/A/W A <u>100 Hr/Annual</u> Inspection And Has Been Determined To Be In An Airworthy Condition
			smolt 0.0	
				Robert A. Norman AIP298640ZTIA

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
03-29	2356:57			Changed oil & Filter - Inspected Filter - Serviced with 10qts Aeroshell 40/80 min. of CH 48110. Tightened oil Quick Drain Inspected Bottom SPARK Plugs & Fe Installed Washed ENGINE & Cowling - <i>Robert A. Norman</i> ADP298664021
	SMO H	20:82		

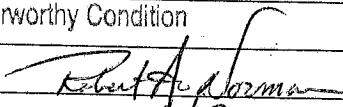
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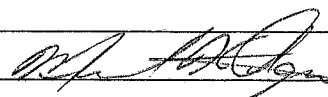
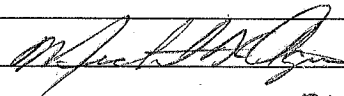


DATE 1997	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/26	2381.57			CHANGED OIL & FILTER - SERVICED WITH 10 QTS ACROSHELL 15/50 & C14 48110
	SMOH	4582		WASHED ENGINE & COWLING
				
				OWNER

DATE 19 98	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
Feb 17,	2451:57			Compression checked #1 <sup>75</sup> / <sub>80</sub> #2 <sup>73</sup> / <sub>80</sub> #3 <sup>75</sup> / <sub>80</sub> #4 <sup>75</sup> / <sub>80</sub> #5 <sup>71</sup> / <sub>80</sub> #6 <sup>75</sup> / <sub>80</sub> - Timing CKA - Cleared & Gapped spark Props - Changed oil & Filter - Serviced with 10qt's Aeroshell 15/W50 & CH48/110 - Inspected Exhaust & Induction System - Replaced EGT Prop, & CHT Prop - Removed Prop, and Front Crankshaft Seal, Installed New Seal & Re-Installed Prop - Greased Prop and Dressed Blades - Washed Engine & cooling Down - AD-97-15-11 Piston Pin Failure N/A Cont next Page -

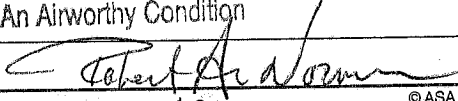
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DATE 19 <u>98</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
Feb 17	2451:57			Applicable AD's CKD & c/w thru 98-04M
				I Certify That this ENGINE & Prop Has Been Inspected I/AAW A 100 Hr/Annual Inspection And Has Been Determined To Be In An Airworthy Condition
	SM&H		115:82	
	SPOH		253:27	 AdP 298664021 DA

DATE 19 <u>94</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7/19	2500.77  SMOH			CHANGED OIL & FILTER SERVICED WITH 10QTS ARROSHILL 15/50 & CH 48110  <div style="text-align: right;">  OWNER            280604912         </div>
11/30	2549.80  SMOH			CHANGED OIL & FILTER SERVICED WITH 10QTS ARROSHILL 15/50 & CH 48110 FILTER  <div style="text-align: right;">  OWNER            280604912         </div>

DATE  
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Feb 27

DATE 19 <u>99</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
Feb 27	2568:00			Compression checked #1 <sup>76</sup> / <sub>80</sub> #2 <sup>74</sup> / <sub>80</sub> #3 <sup>78</sup> / <sub>80</sub> #4 <sup>75</sup> / <sub>80</sub> #5 <sup>73</sup> / <sub>80</sub> #6 <sup>78</sup> / <sub>80</sub> Timing CKD @ 25° - Cleaned & Gapped Spark Plugs - Changed oil & Filter - Serviced with 10qts Acushell 15/W50 & CH48110 - Inspected Filter - OK - Greased Prop & Dressed Blades - Inspected Induction & Exhaust System - Washed ENGINE & Cowling Down - Applicable AD's CKD & Clw thru 99-05 m
	SMOK	232:25		I Certify That this <u>ENGINE &amp; Prop</u> Has Been Inspected I/A/W A 100 Hr Annual Inspection And Has Been Determined To Be In An Airworthy Condition   AEP295664021IA

DATE 19 <u>99</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<u>7/26</u>	<u>2625.0</u>			<p><u>N9450W 2625 TACH 7-26-99 SIN 28-11169</u></p> <p><u>Replaced ALtnator ElectroSystems Part 1</u>  <u>Number 3656624 Rump Check sat.</u></p> <p><b>KURT R. SINGER</b>  <b>API82441812IA for</b>  <b>MOYER AVIATION, II</b>  <i>Kurt R. Singer</i></p>

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DATE 2000	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
3-10	2642:45			Compression checked #1 <sup>70</sup> / <sub>80</sub> #2 <sup>65</sup> / <sub>80</sub> #3 <sup>75</sup> / <sub>80</sub> #4 <sup>72</sup> / <sub>80</sub> #5 <sup>74</sup> / <sub>80</sub> #6 <sup>72</sup> / <sub>80</sub> Changed oil & filter, Serviced with 10 qts Aeroshell 15/W50 & CH 48110. Cleaned & Gapped spark Plugs. Timing CKD @ 25°. Dressed Prop - Washed ENGINE & Cooling Down. Inspected Induction & Exhaust Systems.
			AAs 96-12-07	TCM Bendix Impulse Coupling next Doc @ 2835:75 Applicable AD's CKD & c/w thru 2000-06F
	SMOlt	306:70		I Certify That this ENGINE & Prop Has Been Inspected I/A/W A 100 Hr/Annual Inspection And Has Been Determined To Be In An Airworthy Condition  <i>Robert A. Norman</i> A# 29866402 ICA

DATE 19 2001	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
03-31-01	2680:37			<p>Compression checked #1 <sup>76</sup>/<sub>80</sub> #2 <sup>72</sup>/<sub>80</sub> #3 <sup>76</sup>/<sub>80</sub> #4 <sup>75</sup>/<sub>80</sub> #5 <sup>75</sup>/<sub>80</sub> #6 <sup>72</sup>/<sub>80</sub></p> <p>Timing checked - Cleaned &amp; Gapped spark Plugs - Changed oil &amp; Filter Serviced with 10qts Aeroshell 15/W50 &amp; CH48110 - Inspected Exhaust &amp; Induction System Greased &amp; Dressed Prop - Washed Engine &amp; Cowling Down - AD 96-12-07 Bendix Impulse Coupling Next Due 2835:75</p> <p>Applicable AD's CRD &amp; C/W thru 2001-06 F</p> <p>I Certify That this <u>ENGINE &amp; Prop</u> Has Been Inspected I/AW A 100 Hr/Annual Inspection And Has Been Determined To Be In An Airworthy Condition</p>
	SMOH	344:62		

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*Robert A. Norman*

AIP 298664021-FA

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DATE 19 <u>2002</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
04-08	2734.62			Compression checked #1 <sup>75</sup> / <sub>80</sub> #2 <sup>73</sup> / <sub>80</sub> #3 <sup>77</sup> / <sub>80</sub> #4 <sup>72</sup> / <sub>80</sub> #5 <sup>75</sup> / <sub>80</sub> #6 <sup>73</sup> / <sub>80</sub> , Timing CKD, Installed 12 new REM 406 Spark Plugs. Changed oil & Filter, Serviced with 10pts Aeroshell 15W50 & CH48110, Inspected old oil Filter, NO Defects found, Inspected Exhaust System & Replaced induction Filter Element PD BA 3, Washed ENGINE & cowling Down. Dressed Prop AD 96-12-07 TCM Bendix Impulse Coupling new Tach @ 2835.75
SMO 4			398.87	I Certify That this ENGINE/Prop Has applicable AD's CKD thru 2002-07 F Been Inspected I/A/W A 100 Hr/Annual Inspection And Has Been Determined To Be In An Airworthy Condition <i>Robert A. Norman AIP298664021JA</i>

DATE 2003 10	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
04-24-03	2766185			Compression checked #1 <sup>72</sup> / <sub>80</sub> #2 <sup>73</sup> / <sub>80</sub> #3 <sup>74</sup> / <sub>80</sub> #4 <sup>72</sup> / <sub>80</sub> #5 <sup>70</sup> / <sub>80</sub> #6 <sup>74</sup> / <sub>80</sub> Timing CKD - Cleaned & Gapped Spark Plugs - Changed oil & Filter Serviced 10qts Aeroshell 15/150 & CH48110 - Repaired Carb Heat Stroud - Inspected Exhaust & Induction System Washed Valves & Coning Down Dressed & Greased Prop Installed New Air Filter Element PN BA 3
	5 mo H	431.1		AD 96-12-07 Item Bendix Impulse Coupling
I Certify That this ENGINE & Prop Has Been Inspected I/A/W A 00 Hr/Annual Inspection And Has Been Determined to Be In An Airworthy Condition				NEW Acc @ 2835.75 2002-23-06 Crankshaft Gear Bolt N/A SLSTD 2209 Installed
<i>[Signature]</i>				Applicable AD's CKD 440 2003 08 F
AD P298664021 JA				



NORMAN AVIATION

1200 Fairview Road  
Zanesville OH 43701  
740.454.1615

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Number of Technician or Repair

DATE: 05/23/04

REGISTRATION NO. N9450W

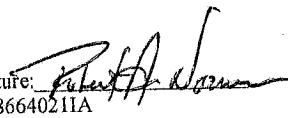
TACH TIME: 2775.56

**ENGINE LOG ENTRY**

Compression checked #1 73/80, #2 73/80, #3 71/80, #4 63/80, #5 71/80, #6 73/80. Installed 12 new Champion REM40 E spark plugs, timing checked. Changed oil and filter (CH48110-1) and no defects found. Serviced with 10 quarts of 15W50 AeroShell oil. Changed air filter (BA3). Inspected muffler, and induction system. Tightened up induction hoses and washed engine and cowling down, greased and dressed propeller. AD 96-12-07 TCM Bendix Impulse coupling next due at 2835.75, Applicable AD's checked thru 2004-10FF. I Certify that this ENGINE and PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and has been determined to be AIRWORTHY on this date.  
TOTAL AIRFRAME: 2775.56; SMOH: 439.81

**WORK ORDER #04-1619**

Norman Aviation  
Zanesville, Ohio  
MAY 23, 2004

Authorized Signature:   
License #A&P2986640211A

DATE

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Norman Aviation

1200 Fairview Road  
Zanesville OH 43701  
740.454.1615

Tests, Repairs and Alterations

Number of Technician or Repair

DATE: 05/16/06 REGISTRATION NO. N9450W TACH TIME: 2815.63

**ENGINE LOG ENTRY**

Compression checked #1 72/80, #2 72/80, #3 72/80, #4 64/80, #5 72/80, #6 70/80, cleaned and gapped spark plugs, removed left magneto and inspected impulse coupling, rivet on style, next inspection due at 2915.63. Changed oil and filter, serviced with 10 qts AeroShell 15W50 and CH48110-1. Inspected exhaust and induction systems. Installed new Air filter element PN BA 3. Washed engine and cowling down and greased and dressed propeller. C/W AD's 2005-06-10 ECI cylinder NA, AD 2005-19-11 Crankshaft, NA by MFG date. AD 2005-26-10 ECI cyl. NA, AD 2005-12-06 TCM Bendix Impulse coupling next due at 2915.63, AD 2006-06-16 Crankshaft NA by MFG date. AD 95-26-13 Oil cooler hoses replaced on this Annual, next due 3815.63 or MAY 2014. Applicable AD's checked thru 2006-12.

I Certify that this ENGINE AND PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and has been determined to be AIRWORTHY on this date.

**TOTAL AIRFRAME: 2815:63 TT ENG: 2815:63 SMOH: 479:88 SPOH: 617:33  
WORK ORDER #06-2044**

Norman Aviation  
Zanesville, Ohio  
May 16, 2006

Authorized Signature: *[Signature]*  
License #A&P2986640211A

DATE RECORDING | TODAY'S | TOTAL | Description of Inspection Tests Performed and Alterations

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Norman Aviation  
1200 Fairview Road  
Zanesville OH 43701  
740.454.1615

DATE: 06/15/07 REGISTRATION NO. N9450W TACH TIME: 2843.70

**ENGINE LOG ENTRY**

Compression Checked #1 70/80, #2 77/80, #3 70/80, #4 70/80, #5 70/80, #6 75/80, cleaned and gapped spark plugs, timing checked. Changed oil and Filter, serviced with 10qts AeroShell 15W50, CH48110-1. Inspected exhaust, and replaced left stack assembly PN 65038-00 and inspected induction systems. Removed starter and installed overhauled unit PN MZ4218R SN 706063. Washed engine and cowling down and dressed propeller. Installed new BA 3 air filter element. C/W AD 2005-19-11 TCM Impulse coupling next due at 2915.63, AD 95-26-13 Oil cooler hoses next due at tach time 3815.63 or MAY 2014. Applicable AD's checked thru 2007-11FF I Certify that this ENGINE AND PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and has been determined to be AIRWORTHY on this date.

TOTAL AIRFRAME: 2843:70, TT ENG: 2843:70 SMOH : 507:95, SPOH: 645.40  
WORK ORDER #07-2288

Norman Aviation  
Zanesville, Ohio  
June 15, 2007  
Authorized Signature: *[Signature]*  
License #A&P32223591A

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DATE: \_\_\_\_\_ RECORDING: \_\_\_\_\_ TODAY'S: \_\_\_\_\_ TOTAL: \_\_\_\_\_ Description of Inspections, Tests, Repairs and Alterations

19. \_\_\_\_\_ with Name, Rating and Certificate Number of Technician or Repair



Norman Aviation  
1200 Fairview Road  
Zanesville OH 43701  
740.454.1615

DATE: 06/10/09 REGISTRATION NO. N9450W TACH TIME: 2866:61

**ENGINE LOG ENTRY**

Compression checked #1 74/80, #2 76/80, #3 75/80, #4 71/80, #5 71/80, #6 74/80 cleaned and gapped spark plugs and checked timing. Changed oil filter only, and inspected no defects noted. Serviced with CH48110-1 and 1 qt AeroShell 15W50. Inspected exhaust and induction systems. Installed new BA3 air filter. AD 95-26-13 Oil cooler hoses next due at 3815.63 or MAY 2014. AD 2005-12-06 Bendix impulse coupling next due 2915.63. Applicable AD's checked thru 2009-11F. I Certify that this ENGINE AND PROPELLER, has been inspected I/A/W an ANNUAL INSPECTION and is in an AIRWORTHY CONDITION on this date.

TT/AF:2866:61; TTENG: 2866:61, SMOH: 530:86, SPOH: 668:31

WORK ORDER #09-2703

Norman Aviation  
Zanesville, Ohio  
June 10, 2009  
Authorized Signature: *[Signature]*  
License #A&P32223591A

DATE

19

RECORDING TODAY'S TOTAL



Norman Aviation  
1200 Fairview Road  
Zanesville OH 43701  
740.454.1615

DATE: 05/06/2011

REGISTRATION NO. N9450W

TACH TIME: 2885.93

**ENGINE LOG ENTRY**

Compression checked: #1 70/80; #2 74/80; #3 72/80; #4 70/80; #5 70/80; #6 73/80. Cleaned and gapped spark plugs and timing checked. Changed oil and filter. Serviced with 10 qts. AeroShell 15W50 and AA48110 filter. Inspected exhaust and induction systems. Washed engine and cowling down and greased and dressed propeller. AD 95-26-13 oil cooler hoses next due at 3815.63 or MAY 2014. Bendix impulse coupling next due 2915.63. Inspected engine and propeller I/A/W FAR 43.11a 1-3. I Certify that this AIRCRAFT has been inspected I/A/W an ANNUAL INSPECTION and is in an AIRWORTHY CONDITION on this date.

TT/AF: 2885:93; TTENG: 2885:93; SMOH: 550.18; SPOH: 687.63  
WORK ORDER #11-2071

Norman Aviation  
Zanesville, Ohio  
May 06, 2011

Authorized Signature: *[Signature]*  
License #A&P32223591A

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Norman Aviation

1200 Fairview Road  
Zanesville OH 43701  
740.454.1615

**Alterations**

ite Number of Technician or Repair

DATE: 09/02/2012

REGISTRATION NO. N9450W

TACH TIME: 2891:47

**ENGINE LOG ENTRY**

Compression checked #1 73/80, #2 70/80, #3 70/80, #4 72/80, #5 70/80, #6 70/80, cleaned and gapped spark plugs, timing checked at 25 degrees. Changed oil and filter, serviced with 10 qts AeroShell 15W50 and AA48110. Inspected old oil filter, no defects noted. Inspected exhaust and induction systems. Washed engine and cowling down and greased and dressed propeller. Installed new BA 3 air filter element. AD 95-26-13 oil cooler hoses next due at 3815.63 or MAY 2014, AD 2005-12-06 Bendix impulse coupling next due 2915.63. Updated AD list. Inspected I/A/W FAR 43.11a 1-3. I Certify that this ENGINE AND PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and is in an AIRWORTHY CONDITION on this date.

TT/AF: 2891:47; TTENG: 2891:47; SMOH: 555:72; SPOH: 693:17

WORK ORDER #12-2425

Norman Aviation  
Zanesville, Ohio

September 02, 2012

Authorized Signature: *Robert A. Norman*

License #A&P32223591A



DATE 2014 5-8	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	2988.6			1 7/80 2 7/80 3 7/80 4 7/80 5 7/80 6 7/80
TSMO	633.90			REPLACED ALTERNATOR DRIVE BELT, CRANK- SHAFT OIL SEAL, SPARK PLUGS SER- VICED & ROTATED. REPLACED INDUC- TION GASKETS, VACUUM PUMP DRIVE ADAPTER SEAL REPLACED WITH ADAPTER GASKET & VACUUM PUMP GASKET. OIL DRAINED SUMP SERVICED WITH 12 QT. AEROSHELL 15-50. INSTALLED QUALITY AIRCRAFT OVERHAUL MAGNETO IN LEFT POSITION, (S/N 22704) AD 2005-12-06

DATE 2014 5-6	REI TAC TIN
	2
TSMO	633.90

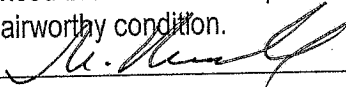
DATE 3-14 <del>2012</del> 5-6	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	2988.6		2988.6	BENDIX IMPULSE COUPLING
TSMO	633.90			P.O. 597509 W.O. 1170014172001
				4-25-14. REPLACE RT MAG. WITH
				P.N. 10-16050-9 S/N. 22705 P.O.
				597508 W.O. 1170014177-002
				MAGNETOS TIMED TO ENGINE
				FUNCTIONAL RUN IS O.K.
				Date <u>5-6-14</u> Total Time <u>2988.6</u>
				I Certify this <u>ENGINE</u> has been inspected
				in accordance with an annual <del>100-hour</del> inspection
				and has been determined to be airworthy.
				<u>Leon C. Lamp</u>
				LEON C. LAMP 1852954AP/IA



Elite Aircraft service  
Engine Total Time: 3060.65 Hrs.

N9450W

August 1, 2015  
Engine Time SMOH: 724.9 Hrs.

- \*AD 95-26-13: C/W oil cooler hose inspection, due again in 100 hrs.
- \*AD 2005-12-06: Left magneto inspection, due at 3488 hours.
- \*Changed oil and filter, installed a CH48110-1 oil filter and serviced engine with 12 qts AeroShell oil, cut old oil filter, contents normal.
- \*Checked compressions: 1=78, 2=78, 3=79, 4=78, 5=78, 6=77.
- \*Checked timing, no adjustments made.
- \*Replaced induction filter, P/N: BA-3.
- \*Replaced #5 cylinder intake gasket, P/N: 71973.
- \*Repaired baffling as necessary.
- \*I certify that this engine has been inspected and serviced in reference to Piper Cherokee Service Manual, 100 Hour/Annual inspection and was determined to be in airworthy condition.
- Mike Rowell A&P/IA 3038853 

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DATE

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MODEL: LYC O-540 -B4B5

DATE 8-6-2017

SERIAL # L-12541-40

TACH 3074.2

TSMOH: 738.5

100 HR INSPECTION C/W THIS DATE, CHECKED COMPRESSION ALL CYLS 75/80 OR BETTER. CHECKED TIMING, CHECKED EXHAUST SYSTEM, CHECKED ENGINE CONTROLS, CHANGED OIL ADDED 11 QTS 20/50 XC AND REPLACED FILTER 4810-2. CHECKED ALL HOSES AND DUCTING. CLEANED SPARK PLUGS AND CHECKED GAP. RAN ENGINE AND PERFORMED LEAK CHECK AND FOR PROPER OPERATION.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW A ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME.

*Chuck Rautiola*

CHUCK RAUTIOLA A&P 470542632 IA

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er of Technician or Repair