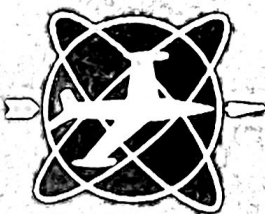


4-51/51A

# ENGINE LOG

The Standard R



RIGHT

#2

~~Left~~

**Engine Record General Information**

R

Manufacturer TEXTRON LYCOMING

Model T10-S4H-E1C4

Serial L-1707-59

Type Certificate

This engine is currently installed in aircraft:

Minimum Octane Fuel

Oil Grade Summer

Winter

Magneto Time

Point Setting

Firing Order

Spark Plug Gap

Manufacturer's Recommended Overhaul at \_\_\_\_\_ hours



5212 Cessna Drive  
Loveland, CO 80538  
(303) 669-6185

YEAR DATE	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.)
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Date: 04-07-03 Hobbs: 310.0 Reg. No.: N41ST  
Eng. Model: T10-541-E1C4 Eng. S/N: L-1707-59 SMOH: 000.0

Completed engine major overhaul this date in reference with Lycoming overhaul manual 60297-6, parts manual PC-120 and all applicable service bulletins, letters and instructions. This engine has been overhauled to factory new fits and limits. Firewall Forward Technologies, LLC (Centri-Lube) camshaft installed per STC SE01436LA. FAA form 337 filed this date. Crankcase align bored/certified, crankshaft overhauled/certified (S/N: V3143), connecting rods align bored, counterweights reworked per Lycoming Service Instructions #1143B, and Lycoming factory new cylinder assemblies and lifters installed. Engine accessories were overhauled/exchanged or new as follows: Magnets, New Ignition Harness, New Champion Massive Spark Plugs, Bendix Fuel Servo, Fuel Pump, Turbocharger, Wastegate, Controller, P.R.V., Propeller Governor, New Sky-Tec Starter, New Firewall Forward Alternator, New Airborne Vacuum Pump, Tach Generator and Oil Cooler. List of complied with A.D.'s provided. For complete details concerning this overhaul, refer to Work Order #FR021903-20 on file at this overhaul facility. END.

Mark Seader  
CRS No. PP5R127N  
Firewall Forward, Inc.  
Loveland, CO 80538

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Date: 04-07-03 Hobbs: 310.0 Reg. No.: N41ST  
Eng. Model: T10-541-E1C4 Eng. S/N: L-1707-59 SMOH: 000.0

#### ACCESSORIES OVERHAULED OR EXCHANGED AT OVERHAUL

MFG. NAME	COMPONENT	MODEL/PN	SERIAL No.
TCM/Bendix	Magneto	10-349310-4	F039931FR
TCM/Bendix	Magneto	10-349290-2D	A255710
Sky-Tec	Starter	149-24LS	F4L-670301
Firewall Forward, Inc	Alternator	B60-FWF-44	FWFC103312
Woodward	Propeller Governor	210556	1750839
Romec	Fuel Pump	RG9570K1	B-755
Precision	Fuel Servo	RSA-10DB1	80595
Garrett	Turbocharger	LW-13310	BD044568
Garrett	Wastegate	470818-9005	JH0220
Garrett	Controller	481008-9008	JK0113
Garrett	P.R.V.	470944-9007	JF0153
AAE	Tach Generator	MS25038-4	122142
Niagara	Oil Cooler	8535849	81B-02

Firewall Forward, Inc.  
Loveland, CO 80538

YEAR	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.)
DATE				
				<p>Date: 04-07-03 Hobbs: 310.0 Reg. No.: N41ST Eng. Model: T10-541-E1C4 Eng. S/N: L-1707-59 SMOH: 000.0</p> <p>Completed engine and propeller installation this date for the purpose of engine major overhaul. Engine installed using new engine Lord mounts. Serviced engine with Aeroshell 15W50 oil. Functional and leak check satisfactory. This engine is approved for return to service. For complete details concerning this installation, refer to W.O. FR021903-20 on file at this overhaul facility. END.</p> <p>Conan Poitra A&amp;P 467438980 <i>Conan Poitra</i></p> <p>Firewall Forward, Inc. Loveland, CO 80538</p>
6-6-03	341.7 HOBBS: CRANKED AND OIL FILTER INSPECTION. RUN UP OK. FINE WIRE PLUGS. RUN UP OK.			
6-26-03	325.5 HOBBS: INSTALL NEW MUFFLER (PART NOISE) (G) 5# 210308			
	TIME TO ENGINE. RUN UP OK. <i>Add manual #P536726276</i>			

YEAR	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.)
DATE				
7-16-03	357.6 SYSTEMS	HOBBS: INSPECT FUEL SYSTEM		<p>1 CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AMMATIC INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>DATE 7-16-03 TOTAL TIME 47.6 <i>Smiley</i></p> <p><i>Add manual</i> A&amp;P # 536726276 DA</p>
9-4-03	373.7 HOBBS: CRANKED AND OIL FILTER INSPECTION. RUN UP OK. NO LEAKS			
1-9-04	404.9 HOBBS: CRANKED AND OIL FILTER INSPECTION. RUN UP OK. NO LEAKS			





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.)
52.41	110035	010	ENGINE OIL 12 QTS 15W-50 A.S. AND FILTER
CHLUSID	4-1	010	FILTER INSPE OK- NO MEATS- TIMING OK.
INSPECT	EXHUST	SYSTEM	INSITIC NEW ENGINE PRE-NEATINGS
comp/80	178	279	279 279 279 279 CLEAN GPH TEST
02651	WASH DOWN	RUN	CERTIFY THAT THIS ENGINE HAS BEEN
UP OK			INSPECTED IN ACCORDANCE WITH AIRCRAFT
AD 03-14-03	DUE	5534H	INSPECTION AND HAS BEEN DETERMINED TO
			BE IN AIRWORTHY CONDITION. SMOY
			DATE 3-1-06 TOTAL TIME 211.4
			APPROVED <i>Robert M. Smith</i>
			A & P # 5367262701A

## FLIGHTCRAFT

A PAPER GROUP company

FAA CKS FCP2851D  
90454 Boeing Dr.  
Eugene, OR 97402

R.H.  
C.M.

DATE	10/31/06	HM	529.8	TOTAL TIME	1981.2	SMOH	219.8	N#	41ST
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Complied with annual inspection. Compression test results: #1=75 #2=78 #3=78 #4=77 #5=78 #6=77. Complied with A.D. 03-14-03 by visual inspection of fuel pump plate screws. Changed oil and filter, inspected old filter, appreciable amount of metal and what appears to be abrasive blast media noted. Installed new CH 48104-1 filter and serviced with 13 quarts Aeroshell 15W50 oil.

THE AIRCRAFT AND AIR COMPONENT IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AS PER PART 43, APPENDIX D. THE AIRCRAFT IS AIRWORTHY ONLY WITH RESPECT TO THE WORK PERFORMED. THE AIRCRAFT IS UNAIRWORTHY IN OTHER ASPECTS AND is not approved for return to service. The owner/operator has been notified and provided with a list dated 10/30/2006 of reasons why the aircraft is unairworthy. DETAILS ON W/O # 338877 SIGNATURE [Signature] INSPECTOR, FLIGHTCRAFT, INC./ EUGENE CRS FCP2831D.

## FLIGHTCRAFT

2 PAPER GROUP COMPANY

FAA CRS FCP283ID  
90454 Boeing Dr.  
Eugene, OR 97402


DATE	Nov. 2 <sup>nd</sup> 2006	HM	529.8	TOTAL TIME	1981.2	SMOH	219.8	N#	4151
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Right engine  
Per request of the owner and Firewall Forward Inc. Removed number 5 cylinder, and inspected. Piston bottom shows signs of corrosion. Reinstalled cylinder and piston. Removed and flushed oil cooler, reinstalled. Removed and flushed external oil lines, reinstalled oil lines. Removed and cleaned engine oil sump. Reinstalled engine oil sump. Ground run engines, no leaks. This engine is considered to be un airworthy due to un resolved contamination found during the annual inspection on FlightCrafwork order 338877  
THE AIRCRAFT IS UNAIRWORTHY IN OTHER ASPECTS AND is not approved for return to service. The owner/operator has been notified and provided with a list dated 10/30/06 of reasons why the aircraft is unairworthy. DETAILS ON W/O # 338877 / 338895 SIGNATURE [Signature] INSPECTOR.  
FLIGHTCRAFT, INC./ EUGENE CRS FCP2831D.

DATE	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.)
11/14/06	524.8	Removed cyl. piston and 72 for red journal & bearing inspection.		
	Removed prop governor for post screen inspection. Little contamination noted in bore. No contamination noted in bearing. Bearing in good condition.			
	Ret. Teller, piston & cyl. Reinstalled prop governor. Test run OK. No leaks noted.			
	Thomas E. Chasman	402957472	Thomas E. Chasman	

Date: 12-15-2006    Hobbs: 533.1    Reg. No.: 41ST  
 Eng. Model: TIO-541-E1C4    Eng. S/N: L-1707-59

Metal Contamination  
 Completed engine inspection this date in reference with Lycoming overhaul manual 60279-13, parts manual PC-120 and all applicable service bulletins, letters and instructions. This engine has inspected and reassembled to standard fits and limits. Crankshaft overhauled/certified. Engine accessories were overhauled/exchanged or new as follows: Turbocharger, Wastegate, Controller, and Oil Cooler. Maintenance release tags provided. Engine dynamometer tested in accordance with Lycoming overhaul manual and is approved for return to service. For complete details concerning this overhaul, refer to work order #4431-10-2005 on file at this overhaul facility. ~~END.~~

Glenn Trostel  
 CFS No. F4WR655Y  
  
 The New Firewall Forward  
 Loveland, CO 80538

Date: 12-15-2006 Hobbs: 533.1 Reg. No.: 41ST  
 Eng. Model: TIO-541-E1C4 Eng. S/N: L-1707-59

**Metal Contamination**

Completed engine inspection this date in reference with Lycoming overhaul manual 60279-13, parts manual PC-120 and all applicable service bulletins, letters and instructions. This engine has inspected and reassembled to standard fits and limits. Crankshaft overhauled/certified. Engine accessories were overhauled/exchanged or new as follows: Turbocharger, Wastegate, Controller, and Oil Cooler. Maintenance release tags provided. Engine dynamometer tested in accordance with Lycoming overhaul manual and is approved for return to service. For complete details concerning this overhaul, refer to work order #4431-10-2005 on file at this overhaul facility. END.

Glenn Trostel  
 CFS No. F4WR655Y  
 The New Firewall Forward  
 Loveland, CO 80538

YEAR DATE	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.)

**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.)

DATE	RECORDING TACH TIME	TODAY'S FLIGHT TIME	TOTAL TIME IN SERVICE
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**MIDLAND TEXAS**

DEER HORN AVIATION, LTD.  
 Beechcraft B60 S/N: P-340 Acft HM: 559.9

March 26 2007 N41ST Beechcraft B60 S/N: P-340  
 Acft TT: 3001.3 RIGHT ENGINE SMOH: 249.9  
 Lycoming TIO-541-E1C4 S/N: L-1707-59 Engine TT: 2011.

1. Installed American Aviation AAA00112 Intercooler Kit S/N 88-162, Installed per Drawing Report 88-1 under STC SA3351NM and STC SE3350NM. See 337 dated this date. Weight & Balance recalculated and copy and installed in Flight Manual. Flight Manual revision installed in Flight Manual. Ran engine checked for leaks.

This aircraft is approved for return to service for the work performed. Pertinent details of the work accomplished on this aircraft are on file at this agency under work order number 41ST02.

Donald B. Brady *Donald B. Brady* CRS D94R394I

May 24, 2007  
 Acft HM: 576.5  
 TSN:

DEER HORN AVIATION, LTD.  
 N41ST Beechcraft Duke B60 S/N: P-340  
 RT Engine TIO-541-E1C4 SN: L-1707-59

1. Secured Prop heat leads on LT and RT Engine.

This aircraft is approved for return to service for the work performed. Pertinent details of the work accomplished on this aircraft are on file at this agency under work order number 41ST04.

*Donald B. Brady*  
 Donald B. Brady CRS D94R394I

**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.)

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT TIME	TOTAL TIME IN SERVICE
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DEER HORN AVIATION, LTD.

N41ST Beechcraft Duke B60 S/N: P-340 November 15, 2007  
 RT Engine TIO-541-E1C4 SN: L-1707-59 Acft HM: 591.0 Acft TT: 3032.4  
 Engine TT: 2042.1 SMOH: 0281.0

1. Complied with an annual inspection in accordance with FAR 43 appendix D and using the Beechcraft B60 inspection guide for reference. Compression:  $\frac{1}{RT: 75/80}$   $\frac{2}{75/80}$   $\frac{3}{77/80}$   $\frac{4}{77/80}$   $\frac{5}{78/80}$   $\frac{6}{78/80}$
2. Replaced #5 intake pipe gasket on RT Engine
3. Re-positioned RT Engine exhaust stack and clamp
4. Changed oil and filter. Serviced with 12 qts. of Aeroshell 15W50 and a CH48109-1 filter. Engine was ground ran and leak checked with all indications normal.

I Certify that this engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition. Pertinent details of the work accomplished on this aircraft are on file at this agency under work order number 41ST07.

*Donald B. Brady*  
 Donald B. Brady CRS D94R394I

April 18, 2008

Acft HM: 614.8 Acft TT: 3056.2  
 Engine TT: 2065.9 SMOH: 304.8

DEER HORN AVIATION, LTD.  
 S/N: P-340

N41ST Beechcraft Duke 860  
 RT Engine TIO-541-E1C4 SN: L-1707-59

1. Changed oil and filter. Serviced with 12 qts. of Aeroshell 15W50 and a CH48109-1 filter. Engine was ground ran and leg checked with all indications normal.

This Aircraft is approved for return to service for the work performed. Pertinent details of the work accomplished on this aircraft are on file at this agency under work order number 41ST10.

CRS D94R394I

Donald B. Brady

YEAR 2008	DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
	9-19-2008				
	Hobbs Tach	675.8			Removed Tach Generator from right engine P/N MS25038-4,
	Acft	3117.2			S/N 122142, Replaced with Tach generator P/N MS25038-4,
	Engine TT	2126.9			S/N 42408.1. Ground and flight tested and found
	SMOH	365.8			to be airworthy for the work performed.
					Overhauled Tach gen under work order 69440 at
					Quality Aircraft Accessories. 0120-3
					<i>[Signature]</i> Campbell A460526154092







YEAR  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
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ENGINE MAKE LYcoming

MODEL 710541

S/N 1-1707-59

AIRCRAFT N 4157

RIGHT

DATE 10-27-11

MAKE DECH MODEL B60

TOTAL TIME 2386.8

TACH./HR/METER 1035.7

TIME SMOH 725.7

Oil.

Changed Oil and Cleaned screen/Replaced filter. Added 12 Qts. Of 15w50

Cleaned, Gapped & Checked Spark Plugs, Checked Magneto Timing, Compression.

#1 76 /80 #2 76 /80 #3 76 /80 #4 74 /80 #5 76 /80 #6 76 /80

Tightened #1 primer line. Verified spark plug part numbers to be correct.

I Certify that this engine has been inspected in accordance with 100HR  
Inspection and found to be in an airworthy condition.

Name [Signature] Mechanic # 3114823 APP



# STERLING JET SERVICE

86-400 Lightning St. Thermal, CA. Phone 760-399-3055, Fax 760-399-3044

06/14/2012

NA1ST B-60 Lycoming T1O 541-E1C4 S/N L-1707-59 TTSN 2436 Hobbs 1084.9 SMOH 774.9 # 2 pos

Performed 50 hr inspection. Changed oil. Serviced with 10 qts. Acroshell 15W50 semi. Installed new oil filters P/N's CH-48109-1. Cut and inspected oil filters with normal wear indicated. Compressions @ # 1 75/80, # 2 77/80, # 3 76/80, # 4 77/80, # 5 76/80, # 6 76/80. Cleaned, inspected, gapped, tested and rotated all spark plugs. Timed magnetos. Performed leak check and operational test with proper operation and no leaks indicated. Work done U/A/W Lycoming, ICAW's and current FAR's. This engine is approved for return to service with respect to the work performed. ---END---

Chris Goodrum 253412300A/PIA



# STERLING JET SERVICE

86-400 Lightning St. Thermal, CA. Phone 760-399-3055, Fax 760-399-3044

# 2 Pos Lycoming T1O-541-E1C4 S/N L-1719-59 Hobbs 1117.2 TTSN 2468.3 SMO 807.2 08/24/12

Installed the following items:

Removed:	P/N 2524275-16, S/N 76333	Installed:	P/N 2524275-16, S/N 76333 (OH)
Fuel servo		Fuel servo	

Timed magnetos. Removed faulty fuel servo and shipped for overhaul. Removed fuel injectors, inspected, cleaned and installed back in positions with new o-ring P/N 953516-8 and lock tabs P/N LW11602. Installed overhauled fuel servo and ran engine to adjust mixture and idle speed. Work done U/A/W Lycoming maintenance instructions and current FAR's. This engine is approved for return to service with respect to the work performed. ---END---

Chris Goodrum 253412300A/PIA



**STERLING JET SERVICE**  
Phone 760-399-3055, Fax 760-399-3044  
SEA 7

86-400 Lightning St. Incinerator  
1707-59 Hobbs 1119.7 TTSN 2410

[illegible]

Performed 50 hr inspection. Changed oil. Compressions @ # 1 76/80. Magneto removed and shipped for 500 hr inspection. No leaks indicated. 1 cutting ..... This engine is  
filters with normal wear indicated. Magneto removed and shipped for proper operation and no leaks indicated. 1 cutting .....  
rotated all spark plugs. Performed leak check and operational test with proper operation. Work done I/A/W Lycoming, ICAW's and current FAR's.  
Timed magnetos. Performed leak check and operational test with proper operation. Work done I/A/W Lycoming, ICAW's and current FAR's.  
100hr inspection and was found to be in a condition for safe operation. ---END---  
approved for return to service with respect to the work performed.

Chris Goodrum 253412300APlA

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ber of  
untries.)



86-400 Lighting St. Thermal, CA. Phone 760-399-3055, Fax 760-399-3044

N41ST	B-60	Lycoming TIO 541-E1C4	S/N L-1707-59	TSN 2516.1	Hobbs 1165.0	SMOH 855.0	# 2 pos	5/03/13
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Performed 50 hr inspection. Changed oil. Serviced with 10 qts. Aeroshell 15W-50 semi. Installed new oil filters P/N 5 CH-48109-1. Cut and inspected oil filters with normal wear indicated. Compressions @ # 1 76/80, # 2 75/80, # 3 77/80, # 4 76/80, # 5 76/80, # 6 75/80. Cleaned, inspected, gapped, tested and rotated all spark plugs. Timed magnetos. Performed leak check and operational test with proper operation and no leaks indicated. Work done I/A/W Lycoming, ICAW's and current FAR's. This engine is approved for return to service with respect to the work performed. ---END---

Chris Goodrum 253412300APIA





STERLING JET SERVICE

86-400 Lightning St. Thermal, CA. Phone 760-399-3055, Fax 760-399-3044

# 2 pos Lycoming TIO 541-E1C4 S/N L-1707-59 Hobbs 1211.0 TTSN 2561.3 SMO 900.2 09/1/13

Performed 50 hr. Changed oil. Serviced with 12 qts. Aeroshell 100 plus. Installed new oil filters P/N's CH-48109-1. Cut and inspected oil filters with normal wear indicated. Compressions @ # 1 75/80, # 2 77/80, # 3 75/80, # 4 76/80, # 5 75/80, # 6 76/80. Cleaned, inspected, gapped, tested and rotated all spark plugs. Timed magnetos. Removed turbo controller waste gate and pressure relief valve and shipped for testing. Received overhauled controller, waste gate and pressure relief valve and installed back in original position. (Same as removed). Units overhauled by Main Turbo CRS # MAMR190KR. Ran engine and adjusted mixture, idle speed and boost. Performed leak check and operational test with proper operation and no leaks indicated. I certify that this engine was inspected I/A/W a 50hr inspection and was found to be in a condition for safe operation. Work done I/A/W Lycoming, ICAW's and current FAR's. This engine is approved for return to service with respect to the work performed. ---END---

Chris Goodrum 253412300A/P/A



# **PALM SPRINGS AIRCRAFT MAINTENANCE SERVICE** 145 S. GENE AUTRY TRAIL

N41ST 01-07-2014 Hobbs : 1243.7 SMOH: 933.7

Right Engine.. Changed oil and filter, serviced with Aero Shell 15w50. Inspected filter no metal found. Compressions #1-79 #2-79 #3-74 #4-78 #5-79 #6-79. Replaced 3ea induction boots and 1ea heat shield. Cleaned fuel nozzles. Repaired broken right mag "P lead". Removed fuel servo and installed after repair by Pacific Continental Engines. Fabricate and install fuel pump sense line and fuel manifold vent line. I certify this engine has been inspected I/A/W a 100 hr / annual inspection within the scope & detail of FAR 43 appendix D and was determined to be in airworthy condition. This engine is approved for returned to service.....

Ken Kerstetter A&P 3462897



# **PALM SPRINGS AIRCRAFT MAINTENANCE SERVICE** 145 S. GENE AUTRY TRAIL

N41ST 01-15-2015 Hobbs : 1248.0 SMOH: 938.0

Right Engine.. Changed oil and filter, serviced with Aero Shell 15w50. Inspected filter no metal found. Compressions #1-78 #2-77 #3-77 #4-76 #5-78 #6-78. I certify this engine has been inspected I/A/W a 100 hr / annual inspection within the scope & detail of FAR 43 appendix D and was determined to be in airworthy condition. This engine is approved for returned to service.....

Robert Scott A&P 2719327


**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.)

# **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.)

DATE: 3/7/16

Reg. No. - N41ST RT Engine Lycoming TIO-541-E1CM S/N L-1707-59

Hobbs 1254.8  
TSMOH 944.8

I certify that this Engine has been inspected in accordance with a Annual/100 Hour Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.  
 Compressions: #1 79/80, #2 78/80, #3 74/80, #4 79/80, #5 72/80, #6 79/80  
 Checked Mag. timing, cleaned and gapped all plugs, cleaned injectors. Engine run and leak check good.  
 Authorized Signature   
 A&P21456131A

ENGINE MODEL: **Magnum Aviation**

TIO-541-E1CA 13025 Murphy Ave.  
 ENGINE S/N (R): L-1707-59 San Martin, CA 95046  
 REG. NO. N41ST Phone: 408-683-4102  
 WORK ORDER: 5385-08-2016

DATE: 1/19/2017  
 AC TSN: 37046  
 ENG TT (R): 85  
 TSMOH (R): 9533  
 HOBBS: 12633

## **Right Engine Entries**

(4) Changed oil with 12 qts. Aeroshell 100W/50Plus and filter CH48109-1. Inspected oil filter, no contaminants found. ops and leak checks -ok-Remove right engine fuel flow transducer & install new transducer P/N 680501E S/N 95998

This aircraft is returned to service for work performed.

DATE: 1/19/2017 SIGNED:  Steve Lamb A&P 3013346  
 Work Order: 5385-08-2016  
 Printed by EBis 3 (datcomedia.com)

# **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.)

DATE: 4/1/17


Reg. No. - N41ST Rt Engine Lycoming TIO-541-E1CM S/N L-1707-59

Hobbs 1264.2  
TSMOH 954.2

I certify that this Engine has been inspected in accordance with a Annual/100 Hour Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.  
 Compressions: #1 79/80, #2 78/80, #3 78/80, #4 79/80, #5 78/80, #6 78/80  
 Checked Mag. timing, cleaned and gapped all plugs, cleaned injectors. Engine run and leak check good.

Flight Sport Aviation, LLC  
 Anthony Bell A&P, IA



Authorized Signature   
 A&P21456131A

MAKE: Beechcraft

MODEL: B-60  
 S/N: P-340  
 REG. NO. N41ST  
 WORK ORDER: 5759-02-2018

DATE: 3/6/2018  
 AC TSN: 37055  
 HOBBS: 12642

## **Airframe Entries**

(1) Replaced capacitor pn. 60-369000-167 on the RH engine. - ops check good -

This aircraft is returned to service for work performed.

DATE: 3/6/2018 SIGNED:  Harry Mander, A&P 3050258-701 Magnum Aviation Inc.  
 Work Order: 5759-02-2018  
 Printed by EBis 3 (datcomedia.com)

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.)
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Reg. No. - N41ST RT Engine Lycoming TIO-541-E1CM S/N L-1707-59 Date - 4/6/18

I certify that this Engine has been inspected in accordance with a Annual/100 Hour Inspection and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see

Hobbs	1264.2
TSMOH	954.2

recurring AD sheets and AD listing.

Compressions: #1 78/80, #2 78/80, #3 79/80, #4 79/80, #5 78/80, #6 79/80  
Checked Mag. timing, cleaned and gapped all plugs, cleaned injectors. Engine run and leak check good.  
AD 17-16-11 (8/15/17) Connecting rod bushings N/A as per MSB 632B and date of overhaul.

Flight Sport Aviation, LLC  
Anthony Bell A&P, IA



Authorized Signature

*[Signature]*  
A&P21456131A

YEAR DATE	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.)
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Hollister Jet Center

200 Skylane Dr. Hollister, Ca 95023 (831)637-9100

Reg. N41ST Smoh:954.7 RT Engine Log

Date:08-25-18 W/O #:

Engine TIO-541-E1C4, S/N: L-1707-59 has been removed from A/C for repair.

I certify that this ENGINE has been removed from service

T. Brown. 2932628 A/P

*T. Brown*



GOLD SEAL AIRCRAFT ENGINES  
21 Creative Place Montrose, CO 81401 CRS # WS9R575J

YEAR  
DATE

Engine Model: TIO-541-EIC4  
Serial Number: L-1707-59

Time: 954.7 TSMOH

Work Order: W054887

Date: 03 MAY 2019

This engine was disassembled and inspected for cam and lifter change. Crankcase M/N: 042 was REPAIRED by DYNCO Inc. under their W/O 120775 dated 18 OCT 2018. Crankshaft, S/N: V3143 was visual, dimensional and magnetic particle inspected. Installed 2 serviceable Counterweights, P/N: 76044 certified by Aircraft Specialties Services under their W/O 251704 dated 29 NOV 2019. Installed serviceable Counterweight, P/N: 75637 certified by Aircraft Specialties Services under their W/O 251704 dated 29 NOV 2018. Installed serviceable Counterweight, P/N: 78988 certified by Aircraft Specialties Services under their W/O 251704 dated 29 NOV 2018. Installed factory new camshaft P/N: LW-12440. See Lycoming Engines 8130-3 W/O: 161509/4967823 dated 05 NOV 2018. Installed NEW Lycoming lifters, P/N: 15B28037, see Lycoming Engines 8130-3, W/O 161365/4973563 dated 07 DEC 2018. Installed a serviceable Oil Pump Body, P/N: 76865 certified under our W/O: W055450 dated 04 APR 2019. Installed a NEW intermediate exhaust pipe, P/N: 77429 in accordance with SB 479. Cylinders, P/N: LW-14116, S/N: 025063-4, 025069-2, 024648-5, 024647-14, A09236, A20332 were honed to STD limits and installed new ring set P/N: 05K22035. Cylinders S/N: A09236 and A20332 had new ring set P/N: SL3601-SC installed. Complied with AD 2017-16-11 and MSB 632 by completion of the connecting rod bushing press out verification procedure using tool P/N: ST-531. Bushings did not move. AD 2002-12-07 previously complied with and terminating action confirmed with marking "543" on adapter plate. Installed NEW gasket P/N: 06B23072. AD 91-08-07 compliance confirmed by installation of restricted fitting in fuel pump. Compliance with AD2009-02-03 confirmed on fuel injection servo P/N: 2524275-16, S/N: 76333. (Installation of new style gasket), and "C" stamped on plug. Terminating action complete. Magnetos, P/N: 10-349290-2, S/N: 210308 and P/N: 10-349310-4, S/N: B129014F were 500 hour inspected. Engine was reassembled using new rod and main bearings, new rod bolts and nuts, new counter weight pins, plates, and snap-rings, new gaskets and seals. Engine was run in a test cell for leak and operations check. All work was done per Lycoming Overhaul Manual 60294-6-3 and applicable service publications. The engine and/or component identified above were repaired and inspected IAW current FAA Regulations and found Airworthy for Return to Service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed:

Larry Flatten

CRS# WS9R575J

FORM 201E

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YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
DATE			

**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.)

Hollister Jet Center

200 Skyline Dr. Hollister, Ca 95023 (831)637-9100

Reg. N41ST Hobbs: 1265.3 Engine Log

Date: 07-24-19 Tsch: 954.7 RT 954.7

Installed repaired engine into R/H side of N41ST.  
Per Beechcraft M/M. Installed 12qts Aeroshell  
straight 100 mineral. Ran up. Leak ck'd and  
adjusted as required. OK for return to service.

I certify that this Engine has been inspected and installed IAW  
Beechcraft M/M and is ok for return to service.

T Brown 2932628 AP

*T Brown*

DATE	TIME	FLIGHT	TIME IN SERVICE	ENTRIES MUST BE CIRCLED THAT INDICATE A REPAIR FACILITY. (See back pages for other specific en
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Reg. No. - N41ST

Rt Engine Lycoming TIO-541-E1CM S/N L-1707-59

Date - 7/30/19

I certify that this Engine has been inspected in accordance with a **Annual/100 Hour Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.  
**Checked Mag. Engine run and leak check good.**

Hobbs TSMOH	1265.3 954.7
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*Flight Sport Aviation, LLC*  
*Anthony Bell A&P, IA*



Authorized Signature

*[Signature]*  
A&P21456131A

Reg. No. - N41ST

Rt Engine Lycoming TIO-541-E1CM S/N L-1707-59

Date - 7/11/20

I certify that this Engine has been inspected in accordance with a **Annual/100 Hour Inspection** and determined to be in airworthy condition at this time. Complied with Inspection checklist as per Appendix D to Part 43. For AD compliance, see recurring AD sheets and AD listing.  
**Checked Mag. Engine run and leak check good.**

Hobbs TSMOH	1269.3 958.7
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*Flight Sport Aviation, LLC*  
*Anthony Bell A&P, IA*



Authorized Signature

*[Signature]*  
A&P21456131A