

THE
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AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM



**RIGHT ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. _____

Engine Manufacturer Lycoming

Model IO-540-S1A5 mm

Serial No. L-13828-48A

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- Right Left
 Front Rear

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

P.O. Box 1359 / Southold, NY 11971-0965
(516) 765-9375
1-800-235-6444
FAX: (516) 765-9359

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
01/16/08				<p>Previous information not on file. This replacement Logbook is being provided this January 16, 2008 at the request of Kent Larson of Boulder Valley Aviation. Customer cannot locate the original Logbook that was provided with engine as noted on Pro Aero Engines Invoice #46902 as issued to Boulder Valley Aviation Inc.</p>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

DATE: 10-12-89 TACH: 144.5 ENGINE S/N: L-13828-48A
 TOTAL TIME: 1454.0 SMOH: 000.0

Completed engine major overhaul this date in accordance with Lycoming overhaul manual 60294-7, parts manual PC-615 and all applicable service bulletins, letters and instructions. Engine and fuel system overhauled Machen SS1 spec. IAW STC SE1657NM. This engine has been overhauled to new factory fits & limits. Crankcase align bore/zy-glo inspected, new camshaft installed, connecting rods align bored and counter weights reworked per Lycoming Service Instruction # 1143A. Engine accessories were overhauled or exchanged as follows: Bendix fuel system, fuel pump, starter, alternator, magnetos, new ignition harness, turbos, turbo controller, turbo scavenge pump, hydraulic pump and propeller governor. List of model and serial numbers in rear of log book. All maintenance release tags and list of C/W ADs in back of log book. Engine test run see installation entry. For complete details concerning this overhaul, refer to W.O.# 01443 on file at this overhaul facility. END.

Lawrence W. Schmidt
 A&P 524864033
Lawrence W. Schmidt

FIREWALL FORWARD, INC.
 5212 CESSNA DR.
 LOVELAND, CO 80538
 303-669-6185

				SUB-TOTALS this page
				TOTALS -Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
01/16/08		1454.0		<p>TOTALS brought forward from previous page</p> <p>PRO AERO ENGINES INC. D.O.T. App. No.: 15-82 2965 Airport Road, Kamloops B.C. V2B 7W8 Canada</p> <p align="center">LOGBOOK INSERT</p> <p>Engine Make: <u>Lycoming</u> Engine Hours: <u>00.0 T.S.O.H</u> Engine Model: <u>IO-540-S1A5 MM</u> Work Order #: <u>E43606</u> Engine Serial Number: <u>L-13828-48A</u></p> <p>The crankcase assembly was overhauled and tested as per the Manufacturer's overhaul manual. New cylinders P/N 05K21118, S/N E43606-1-2-3-4-5-6 installed. All applicable Service Bulletins and Airworthiness Directives to date have been embodied. Details on file under work order # E43606.</p> <p>Signature of authorized person <u>Jamie Charlton</u> Date: <u>Apr 11/05</u> Jamie Charlton - SCA PAEI # 8</p>
		00.0		

NUMBER OF AD, SB ETC	DESCRIPTION OF AD, SB, MSB ETC.	EMBODIED	FOUND EMBODIED	N/A
A.D. 63-14-03	(S.B. 295) OIL PUMP DRIVE SHAFT			X
A.D. 66-20-04	(S.B. 307) OIL FILTER ADAPTER GASKET			X
A.D. 73-23-01R4	(S.B. 367F) PISTON PINS			X
A.D. 75-08-09R3	(S.B. 381B, 385C) OIL PUMP DRIVE SHAFT/IMPELLER			X
A.D. 87-10-06R1	(S.B. 477A) ROCKER ARM ASSEMBLIES			X
A.D. 92-12-05	(S.B. 501 Rev. B) PISTON PINS			X
A.D. 95-07-01	(SUPERIOR AIR # 95-002) CONNECTING ROD BOLTS	X		
A.D. 96-09-10	(S.B. 454B, 455D, 524, 456) ENGINE OIL PUMP IMPELLERS			X
A.D. 97-15-11	(M.S.B. 527C) PISTON PINS			X
A.D. 98-17-11	NELSON BALANCING SERVICE CRANKSHAFT			X
A.D.02-12-07	(M.S.B. 543B) CONVERTER PLATE			X
A.D. 02-19-03	(M.S.B. 552) CRANKSHAFT REPLACEMENT	X		
A.D. 02-26-01	(M.S.B. 342D) EXTERNALLY MOUNTED FUEL INJECTOR LINES	X		
A.D. 04-05-24	(M.S.B. 554 SUP. 5) CRANKSHAFT GEAR RETAINING BOLT REPLACE	X		
A.D. 04-10-14	(A.D. 2004-05-24 M.S.B. 475C, S.I. 163C) CRANKSHAFT GEAR RETAINING BOLT	X		
M.S.B. 2405	PARTS REPLACEMENT AT OVERHAUL	X		
M.S.B. 342E	(S.B. 342B SUP. 1) FUEL LINE AND SUPPORT CLAMP INSPECTION AND INSTALLATION	X		X
M.S.B. 518C	INSPECTION OF THERMOSTATIC BYPASS VALVES			X
M.S.B. 553	CRANKSHAFT INSPECTION OF LYCOMING SIX CYLINDER TURBOCHARGED ENGINES	X		
M.S.B. 555A	(S.B. 555 SUP. 2) OIL PUMP BODY PLUG INSPECTION	X		
S.I. 1123D	DOWELS AND O-RINGS ON THRU STUDS	X		X
S.I. 1225D	CRANKCASE BEARING DOWELS	X		
S.I. 1267C	PISTON PIN PLUG USAGE	X		
S.I. 1290E	G RING INSTALLATION AT THRU STUDS	X		
S.I. 1485A	EXHAUST VALVE AND GUIDE IDENTIFICATION PROCEDURE	X		
S.I. 1487	OIL DRAINBACK TUBE CLEARANCE	X		
S.I. 1512	MAIN AND CONNECTING ROD BEARING UPGRADE	X		

SUB-TOTALS this page

TOTALS-Carry forward to next page

L. Brown
MP 156 447 547 IA
RIGHT

N26DS

sn: 61P-0703-7963337

Left Engine Log Entry

Hobbs Time: 940.5

Date: 7/10/2006

Engine: Lycoming IO-540-S1A5MM

s/n: L-13828-48A

AD 90-01-02 (Tailpipe Inspection) complied with by visual inspection of Machen Inconel tailpipes; compliance next due at Hobbs 2399.6

AD 2002-24-07 complied with - scavenge pumps replaced, no further action required.

AD 2002-26-01 (Fuel line security) complied with this date next due hobbs 1040.5 or 7/2007 whichever comes first.

AD 2003-14-03 (Fuel pump) complied with (initial compliance) by re-torque, compliance next due 6/2007 or 990.5 hobbs.

AD 2003-14-03 complied with by torque check. Next due 1/10/2007 or hobbs = 990.5, whichever comes first. This AD is recurrently due until 100 hours TIS with torque remaining in specification IAW Lycoming SB 529B.

AD 2004-05-24 (Crank gear retaining bolt) complied with at engine overhaul, subject part is not installed on this engine.

AD 2005-19-11 (Lycoming crankshafts 300 hp and lower) complied with this date, does not apply by date of manufacture of crankshafts. Left and right crankshafts both were manufactured previous to March 1, 1999.

This engine installed on Aerostar N26DS, serial number 61P-0703-7963337, in the left hand position after major overhaul All new lord engine mounts installed. Installed factory new Skytec lightweight starter under FAA-PMA PQ852SW, PN: 149-24PM, SN: F4P-180305.

Installed inconel front and rear exhaust system from engine removed from this aircraft. All new exhaust nuts and PN: 77611 "no-blow" gaskets installed at this time. Installed serviceable turbos with 134.9 hours since overhaul. Installed turbo controller with 140.4 hours since overhaul by Aerostar Aircraft. Installed wastegate actuator with 1343.5 since overhaul. Installed serviceable wastegates with 82.5 hours time in service since overhaul by Aerostar Aircraft. Replaced 3 ea. turbo crossover linkage high temp stainless rodends with new. Replaced left and right COR-4 bearings with new. Performed visual inspection of tailpipes, no defects found.

Installed serviceable alternator with 1278.2 hours since overhaul. Installed prop governor with 738.5 hours since overhaul. Installed magnetos with 82.5 hours since overhaul. Installed serviceable vacuum pump with 159.5 hours since new. Replace alternator and air-conditioner compressor belts with new. Replaced components of propeller de-ice brush blocks as necessary.
(continued next page)

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Installed serviceable fuel servo with 317.5 hours since overhaul by B&S. Installed new fuel transducer PN: 700900-1 for JPI EDM-760.

Oil serviced with 12 quarts Aeroshell semi-synthetic 5W-15. New oil filter CH48110-1 installed.
This engine has been inspected in accordance with a 100 hour inspection and found to be airworthy on this date.

Larry L. Brown

A&P

2127044

Date

7/10/2006

SKIES END GROUND SUPPORT INC.

N26DS

Date: 08/11/06

RIGHT ENGINE LOGBOOK ENTRY

Hobbs: 931.7

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1479 TSO: 25.0

R&R Rt engine fuel servo for bench check (OK). Installed new Magneto Noise Filters both magnetos. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Kenneth M Ruggiano A&P156447547 IA

Kenneth M Ruggiano

SKIES END GROUND SUPPORT INC.

N26DS

Date: 08/26/06

RIGHT ENGINE LOGBOOK ENTRY

Hobbs: 941.5

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1489.5 TSO: 35.5

Rigged Rt fuel servo R&R Rt. Magneto RT Engine (exchange unit installed) SN:H289159FR Trouble shoot Rt. Engine #4 cyl. Egt/cht probe (tightened connection). Ground checked ok XXX

Kenneth M Ruggiano A&P156447547 IA

Kenneth M Ruggiano

SKYS END GROUND SUPPORT INC.

N26DS

Date: 10/14/06 RIGHT ENGINE LOGBOOK ENTRY Tack: 956.7

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1504 TSO:50.00

Ground run to warm oil Removed top & Bottom Cowling the engine Drained engine oil with samples R&R Engine oil filter R&R Turbo oil filter after disassembly inspection and cleaning Cleaned air oil separator Serviced the engine with 10 Qt aeroshell 15w50 & 1 each bottle camguard Reversed Rt engine #4 cyl cht & egt leads Cowled both engines Ground run for proper operation & leaks R&R cowling for leak check XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Kenneth M Ruggiano A&P156447547 IA

Kenneth M Ruggiano

SKYS END GROUND SUPPORT INC.

N26DS

Date: 12/9/06 RIGHT ENGINE LOGBOOK ENTRY Tack: 967.1

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1514.4 TSO:60.4

Installed GAMInjectors Per STC. SE09445SC XXX

Kenneth M Ruggiano A&P156447547 IA

Kenneth M Ruggiano

SKYS END GROUND SUPPORT INC.

N26DS

Date: 3/22/2007 RIGHT ENGINE LOGBOOK ENTRY Hobbs: 968.1

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1515.4 TSO:61.4

Annual inspection Compression Cyl# 1:78 2:77 3:78 4:78 5:80 6:79, Checked mag timing, induction air filter, sparkplugs, exhaust fore leaks, cracks, security. Checked turbochargers security & ducting. Checked waste gates for smoothness of operation.. Complied with ADs 2002-26-01, Ref AD compliance for details. I certify that I have inspected this Engine I/A/W an annual inspection and determined to be in an airworthy condition this date. XXX

Kenneth M Ruggiano, A&P156447547 IA

Kenneth M Ruggiano

SKYS END GROUND SUPPORT INC.

N26DS

Date: 11/19/07 RIGHT ENGINE LOGBOOK ENTRY Tack: 990.2

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1537.5 TSO:83.5

R&R Right Fuel Servo for over hall R&R Rt. waist gate on Rt. engine for inspection (no discrepancy) R&R waist gate actuator R&R Rt. Intake air box to remove waist gate actuators. Removed old waist gate cross shaft installed new waist gate actuator pivot bearings both engines Installed new waist gate actuator cross shafts with pillow block Assy. Installed new waist gate push rod rod ends 4 each on Rt. Engine. Rigged waist gate system Resealed waist gate actuator R&R Rt. Engine driven fuel pump (exchange overhaul unit RG9080A/M S/N D-7951 R&R Propeller governors for overhaul Rigged engine controls Set governor Ground run Set idle mixture XXX

Kenneth M Ruggiano - A&P156447547 IA

Kenneth M Ruggiano

SKYS END GROUND SUPPORT INC.

N26DS

Date: 2/20/08 RIGHT ENGINE LOGBOOK ENTRY Tack: 996.6

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1543.9 TSO:89.9

Trouble shot Engine oil leak R&R Vacuum pump Rt engine FOM R&R injector FOM R&R engine oil filter FOM Installed serviceable oil filter adapter with new gasket Changed engine oil and oil filter Cleaned waste gate control oil filter Cleaned crank case breather oil separator filter Ground run OK Sent oil ample to lab Note: oil leak was cracked oil filter adapter XXX

Kenneth M Ruggiano A&P156447547 IA

Kenneth M Ruggiano

N26DS

Date: 7/2/2008 RIGHT ENGINE LOGBOOK ENTRY Hobbs: 1004

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1551.3 TSO:97.3

Annual inspection Compression Cyl# 1:79 2:78 3:79 4:78 5:79 6:79 Checked mag timing, induction air filter, sparkplugs, exhaust fore leaks, cracks, security. Checked turbochargers security & ducting. Checked waste gates for smoothness of operation, & lubed. Complied with ADs 2002-26-01, 2008-14-07. Ref AD compliance for details. I certify that I have inspected this Engine I/A/W an annual inspection and determined to be in an airworthy condition this date. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Kenneth M Ruggiano A&P156447547 IA

Kenneth M Ruggiano

TOTALS-Carry forward to next page

SKYS END GROUND SUPPORT INC.

N26DS

Date: 8/17/2008 **RIGHT ENGINE LOGBOOK ENTRY** **Hobbs: 1008**
Make: Lycoming **Model: IO-540-S1A5 MM** **S/N: L-13828-48A** **TT: 1555.3** **TSO:101.3**

Installed new engine induction air filters XXX

Kenneth M Ruggiano **A&P156447547 IA**



SKYS END GROUND SUPPORT INC.

N26DS

Date: 2/18/2009 **RIGHT ENGINE LOGBOOK ENTRY** **Hobbs: 1017.9**
Make: Lycoming **Model: IO-540-S1A5 MM** **S/N: L-13828-48A** **TT: 1472.8** **TSO:111.2**

Annual inspection: Compression Cyl # 1:79 2:78 3:79 4:78 5:79 6:79 . Checked mag timing, induction air filter and sparkplugs. Checked exhaust for leaks, cracks and security. Checked turbochargers security & ducting. Checked waste gates for smoothness of operation. Lubed waste gates. Oil change: drained oil, replaced engine oil filter , cut open old filters & checked for contaminants - none found. Serviced engines with 12 quarts Aeroshell 15W50 & 1bottle camguard Cleaned turbo control oil filter and air-oil separator. Lubed turbo-control linkage. Ground run for leak check and turbo operation. *Complied with ADs 2002-26-01, 2008-14-07. Ref AD compliance for details.* I certify that I have inspected this engine in accordance with an annual inspection and determined it to be in an airworthy condition this date. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Kenneth M Ruggiano **A&P156447547 IA**



SKYS END GROUND SUPPORT INC.

N26DS

Date: 10/11/2009 **RIGHT ENGINE LOGBOOK ENTRY** **Hobbs: 1017.9**
Make: Lycoming **Model: IO-540-S1A5 MM** **S/N: L-13828-48A** **TT: 1518.9** **TSO:157.3**

Installed new turbo control oil lines filter to actuator , actuator to controller, leak checked OK. XXX

Kenneth M Ruggiano **A&P156447547 IA**



SKYS END GROUND SUPPORT INC.

N26DS

Date: 2/16/2010 **RIGHT ENGINE LOGBOOK ENTRY** **Hobbs: 1064.1**
Make: Lycoming **Model: IO-540-S1A5 MM** **S/N: L-13828-48A** **TT: 1559.6** **TSO:105.6**

Annual inspection: Compression Cyl # 1:77 2:78 3:78 4:78 5:79 6:79 Checked magneto timing, induction air filter and sparkplugs. Checked exhaust for leaks, cracks and security. Checked turbochargers security & ducting. Checked waste gates for smoothness of operation. Lubed waste gates. Removed 8 each gasket type CHT probes and installed 7 each CHT well probes and 1 each adapter probe (from JPI) *Complied with ADs 2002-26-01, 2008-14-07. Ref AD compliance for details.* I certify that I have inspected this engine in accordance with an annual inspection and determined it to be in an airworthy condition this date. XXX

Kenneth M Ruggiano **A&P156447547 IA**



SKYS END GROUND SUPPORT INC.

N26DS

Date: 6/22/2010 **RIGHT ENGINE LOGBOOK ENTRY** **Hobbs: 1087.3**
Make: Lycoming **Model: IO-540-S1A5 MM** **S/N: L-13828-48A** **TT: 1582.8** **TSO:128.8**

Replaced Autolite XLURHB36S spark plugs with Champion RHB36S (gapped & tested prior to installation) XXX

Kenneth M Ruggiano **A&P156447547 IA**



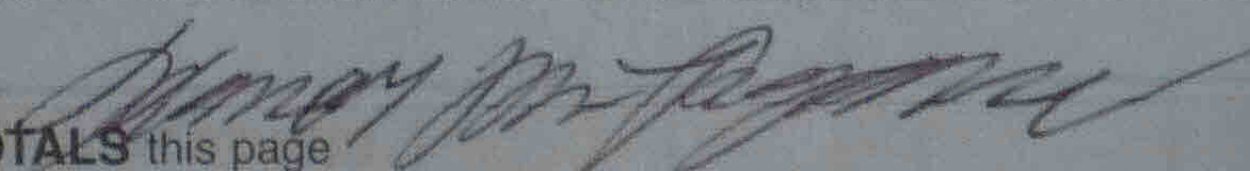
SKYS END GROUND SUPPORT INC.

N26DS

Date: 10/31/2010 **RIGHT ENGINE LOGBOOK ENTRY** **Hobbs: 1119.5**
Make: Lycoming **Model: IO-540-S1A5 MM** **S/N: L-13828-48A** **TT: 1615** **TSO:161**

Ground run to warm oil. Drained engine oil. Replaced engine oil filter - cut open & inspected with no contaminates found. Engine serviced with 12 quarts Aeroshell 15W-50 and one bottle Camguard. Removed, disassembled, cleaned, inspected and reinstalled turbo oil filter. Removed, disassembled, cleaned, inspected and reinstalled air-oil separator screen. Lubed waste gates. Ground run leak checked OK XXX

Kenneth M Ruggiano **A&P156447547 IA**



SUB-TOTALS this page

TOTALS-Carry forward to next page

SKYS END GROUND SUPPORT INC.

N26DS

Date: 2/7/2011

RIGHT ENGINE LOGBOOK ENTRY

Hobbs: 1119.5

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1615 TSO:161.0

Annual inspection: Compression Cyl # 1:77 2:78 3:78 4:78 5:79 6:79 Checked magneto timing, induction air filter and sparkplugs. Checked exhaust for leaks, cracks and security. Checked turbochargers security & ducting. Checked waste gates for smoothness of operation. Lubed waste gates. Removed 8 each gasket type CHT probes and installed 7 each CHT well probes and leach adapter probe (from JPI) Complied with ADs 2002-26-01, 2008-14-07. Ref AD compliance for details. I certify that I have inspected this engine in accordance with an annual inspection and determined it to be in an airworthy condition this date. XXX

Kenneth M Ruggiano A&P156447547 IA

[Signature]

SKYS END GROUND SUPPORT INC.

N26DS

Date: 10/17/2011

RIGHT ENGINE LOGBOOK ENTRY

Hobbs: 1159.7

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1655.2 TSO:201.2

Replaced #2 & #5 fuel injection nozzles with new from GAMI XXX

Kenneth M Ruggiano A&P156447547 IA

[Signature]

SKYS END GROUND SUPPORT INC.

N26DS

Date: 1/15/2012

RIGHT ENGINE LOGBOOK ENTRY

Hobbs: 1160.5

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1656 TSO:202

Lubed left and right wastgates XXX

Kenneth M Ruggiano A&P156447547 IA

[Signature]

The Flight Shop, Inc. 435/723-3469 02/2/12 N26DS Hobbs 1166.4
RH Engine

- 1. Change oil Shell 15-50; 2. Change oil filter; 3. Clean screen; 4. Repair OEM CHT; 5. Replace one prop brush and rework starter; 6. Replace oil press spring; 7. Clean and lube wastegate & re-rig; 8. Clean actuator filter; 9. Install adel clamp on main oil cooler lines.

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

AP1856924IA

[Signature]
William R. Bridges

SKYS END GROUND SUPPORT INC.

N26DS

Date: 12/5/2012

RIGHT ENGINE LOGBOOK ENTRY

Hobbs: 1199.9

Make: Lycoming Model: IO-540-S1A5 MM S/N: L-13828-48A TT: 1695.4 TSO:241.4

Annual inspection: Compression Cyl # 1:79 2:78 3:79 4:79 5:79 6:79 Replaced left magneto with SN: A-11130 and Rt: A-11124 set timing, cleaned induction air filter and sparkplugs. Checked exhaust for leaks, cracks and security. Checked turbochargers security & ducting. Checked waste gates for smoothness of operation. Lubed waste gates. Complied with ADs Ref AD compliance for details. I certify that I have inspected this engine in accordance with an annual inspection and determined it to be in an airworthy condition this date. XXX

Kenneth M Ruggiano A&P156447547 IA

SUB-TOTALS this page
TOTALS-Carry forward to next page
[Signature]

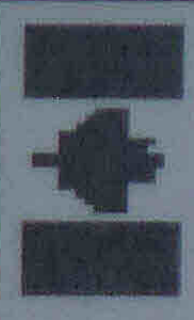
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
Date: 26-July-2013 Lycoming 10-540-S1A5			N26DS	1225.8 Hobbs S/N L-13828-48A
Drained Engine oil, and removed oil filter. Cut filter open to check for abnormalities, none found. Installed new Champion oil filter P/N CH48110-1, and serviced Engine with 11qts. Aeroshell 15W50 oil and 16ozs. ASL Camguard. Replaced all fuel injection nozzle O-rings. Replaced all hoses from fuel injection collar to manifold upper deck pressure reference line. Replaced left hand turbo rod end at turbo using part number 980044-507 adjusted to spec's. Performed ops and leak checks, no faults found for work performed.				
<i>Michael J. Sergeant</i> Michael J. Sergeant AP461554273				
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

TOTAL C... (faded text)

Approving national aviation authority/country

2

3. Form tracking No.



1. Approving national aviation authority/country
Transport Canada

2. AUTHORIZED RELEASE CERTIFICATE
TCCA 24-0078

3. Form Tracking No.
E43606

4. Approved organization name and address
PRO AER
2965 AIRPORT ROAD

4. Approved organization name and address
Pro Aero Engines Inc., 2965 Airport Road, Kamloops, BC V2B 7W8 Canada

5. Work order/contract/invoice
E43606

6. Item
1

7. Description
1 AIRCRAFT ENGINE

8. Part No.
IO-540-SIA5 MM

9. Eligibility*
1

11. Serial/patch No.
L-13828-48A

12. Status/work
OVERHAULLED

13. Remarks
THE CRANKCASE ASSEMBLY WAS OVERHAULLED AND TESTED AS PER THE MANUFACTURER'S OVERHAUL MANUAL. NEW CYLINDERS P/N 05K21118 S/N E43606-1-2-3-4-5-6 INSTALLED. ALL APPLICABLE SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES TO DATE HAVE BEEN EMBODIED. DETAILS ON FILE UNDER WORK ORDER # E43606.

ALL ACCESSORIES TIME CONTINUED.

14. Certifies that the items identified above were manufactured in conformity to:
 Approved design data and are in condition for safe operation.
 Non approved design data specified in block 13.

15. Authorized signature

19. CAR 571.10 Maintenance release.
 Other regulations specified in block 13

20. Authorized signature

21. Certificate/Approval ref. No.
AMO 15-82
SCA PAEI # 8

17. Name

18. Date (dd/mm/yyyy)

22. Name
JAMIE CHARLTON

23. Date (dd/mm/yyyy)
APR 11/05

14. Certifies that the items identified above were manufactured in conformity to:
 Approved design data and are in condition for safe operation.
 Non approved design data specified in block 13.

CAR 571.10 Maintenance release.

15. Authorized signature

20. Authorized signature

16. Certificate/Approval ref. No.

22. Name
JAMIE CHARLTON

21. Certificate/Approval ref. No.
AMO 15-82
SCA PAEI - #8

17. Name

18. Date (dd/mm/yyyy)

22. Name

JAMIE CHARLTON

23. Date (dd/mm/yyyy)
APRIL 11/05

QTY	PART NUMBER.	DESCRIPTION.
20	MS35333-42	WASHER AN936A616
1	MS9144-01	GASKET
122	NAS1149F0463P	WASHER FLAT 1/4
60	NAS1149F0563P	WASHER FLAT
20	NAS1149F0663P	WASHER FLAT 3/8
12	QS100-M6S	CLAMP
4	SA638172	BUSHING - MAG DRIVE
56	SL-STD-1925	SCREW
6	SL-STD-2180	HOSE
1	SL-STD-2209	SCREW
1	SL1028-B	BALL
12	SL12186	NUT - CON ROD
8	SL14820	RING - RETAINING CWT
1	SL19340KIT1	CAMSHAFT KIT
24	SL383-B	NUT
1	SL53E19600	VERNATHERM VALVE
8	SL71907A	WASHER COUNTERWEIGHT
16	SL72075	SEAL
8	SL72091	SEAL
12	SL72626A	SHAFT
2	SL73648	ROLLER
12	SL74309A	BEARING - CON ROD
12	SL74389	BUSHING
2	SL74887	SPACER
12	SL75060	CON ROD BOLT
2	SL76788	ROLLER
4	SLMS49005-2	PLUG
2	STD-1227	WASHER
1	STD-1737	RET RING - FUEL PUMP IDLER
2	STD-1882	SCREW
4	STD-1901	SCREW
1	STD-2168	NUT IDLER GEAR SHAFT
1	STD-2231	RING-INTERNAL RETAINING
6	STD-2249	NUT

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