



# ENGINE LOG

ASA-SE-2

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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# PERFORMANCE AERO ENGINES

00.00 SMOH

AEIO-540-EXP, serial # L-5343-48. Overhaul in accordance with Textron Lycoming overhaul manual # 60294-7 latest revision., except as modified for Experimental use. Following accessories included: 6351 magneto (new), 6350 magneto (new), A21-11BS-II wire harness (new), 12 each RHM38E spark plug (new), BCS206-149-12 starter (new), L-60 60amp alternator (new), SD-20 20amp standby alternator (new), FM-300A fuel injection system (new), RG17980D fuel pump (ovh). All Airworthiness Directives complied to date. See AD Compliance sheet. Engine functionally tested and approved for safe operation. This engine is for Experimental Use Only. Other pertinent data on file at:

PERFORMANCE AERO ENGINES, INC.

RS#P6ER393N

Work Order #4478-1

Date: 06/16/2003

Signed

*Philip Patroniti*

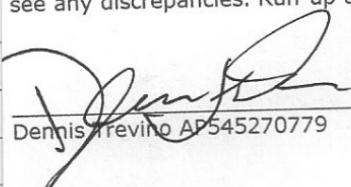
# 2675467

YEAR 3-2016 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.)
1/31			91.00	Change oil Aeroshell 100 10qts + filter
11/19			126.8	Change oil Aeroshell 100 10qts + filter
7/20/7			163.0	Change oil Aeroshell 100 10qts + filter
Annual Inspection - Engine				
I certify that this a/c has been inspected in accordance with				
a periodic condition inspection within the scope & detail of				
JAR43 appendix D and found to be in a condition for safe				
operation.				
Oralt K. Self Cert # 3061190 7/25/5				
Cyl #1 80/80 Cyl #2 80/80 Cyl #3 80/80 Cyl #4 80/80 Cyl #5 80/80 Cyl #6 80/80				
11/27/7			207.89	Change oil 10qts Aeroshell 100 + Filter
12/1/9			238.00	Change oil + filter 10 qts
5/5/9			240.00	Clean injectors
6/6/9				New spark plugs - compression
				replace exhaust clamp - lube &
				inspect. Replace V-mittrom, Clean
				filters



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4/6/9				Annual Insp I certify that this aircraft has been inspected in accordance w/ a periodic condition inspection within the scope and detail of FAR 43 and found to be in a condition for safe operation Donald Kersch #3061190 7/25/5
1/23/10	276.15			Changed oil + filter aeroshell 100+ Swung the gear and adjust gear door
8/1/11				Performed cond inspection in accordance w/ FAR 43 and found to be in condition for safe operation Donald Kersch 3061190 Clean plugs and injectors. Changed oil and filter 1 qt of aeroshell 5100.



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				<p>Inland Valley Aviation, Inc 7000 Merrill Ave, Chino, CA 91710</p> <p>02/09/2012 Tach 332.9 Hobbs 458 N42DK</p> <p>#1 77/80 #2 70/80 #3 78/80 #4 74/80 #5 78/80 #6 78/80</p> <p>Checked magneto timing L 27 degree BTC &amp; R 23 degree BTC- retimed both magnetos to 20 degree BTC. Service oil (10 qts. Phillips 100AW), oil sample taken. Video scope cylinders, did not see any discrepancies. Run-up and leak checked.</p> <p> Dennis Trevino AP545270779</p>

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7/22/12			476.70	cut & inspect oil filter, #1 79/80 #2 62/80 #3 79/80 #4 78/80 #5 79/80 #6 78/80
7/22/12				Performed inspection in accordance w/ FAR '43' Sect D and found it to be in condition for safe operation
12/1/13			536.94	Performed inspection in accordance with FAR 43' Sect D and found it to be in condition for safe operation
				Tuned map, cleaned plugs change oil & filter Aero 100 10qts #1 72/80 #2 72/80 #3 78/80 #4 72/80 #5 76/80 #6 72/80

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16 FEB 14	392.0			CHECKED DYNAMIC BALANCE OF PROPELLER AND FOUND WITHIN ACCEPTABLE LIMITS @ 0.04 IPS. SEE ALSO HARD COPY RECORD THIS DATE JIM FACKLER A/R 3531859
3/1/2015				Performed inspection in accordance with FAR 43 Sect D and found it to be in condition for safe operation



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				<p>Inland Valley Aviation 7000 Merrill Ave. Chino, CA. 91710</p> <p>04/23/2015 Tach</p> <p>Oil leak, found loose filter- torqued and safety tied. Washed engine.</p> <p><u>Dennis F. Trevino</u> Dennis Trevino IA3645752</p>

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12-11-2015	428.67 tach 603 hrs			Removed Both Mags For 500hr inspection by Aero Access They Complied with AD 99-04-04 and SB 2-08, 3-08 & 1-12 Timed Both mags to 20° BT. Test Ran OK - No leaks. <i>B</i> Benjamin McKellogg AP2698724
4/1/2016				performed inspection in accordance with FAR 43 Sect D and found to be in condition for safe operation.
7/15/2017	462.26 Tach 661.24 Hobbs			Performed inspection in accordance w/ FAR 43 Sect D and found to be in condition for safe operation - Donald Storch, repairman
10/17/2017	672.1			Replaced all spark plugs

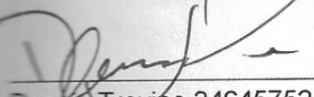
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2/17/2018	480.3			Changed oil & filter 9qts supershell 100 rerigged mixture control (stiff) checked compressors #1 70/80 #2 74/80 #3 72/80 #4 69/80 #5 74/80 #6 76/80

Inland Valley Aviation  
7000 Merrill Ave. A335/Box 87 Chino, CA. 91710

04/11/2017 N42DK Tach 458.3

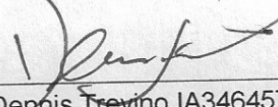
#1 70/80 #2 74/80 #3 72/80 #4 69/80 #5 74/80 #6 76/80

Serviced oil (9 qts. Aeroshell 100W+), and filter  
(CH48108). Rerigged stiff mixture control cable.

  
Dennis Trevino 34645752

1 fuel pump → C2649



YEAR 2018 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)
				Inland Valley Aviation 7000 Merrill Ave. A335/Box 87 Chino, CA. 91710
				03/13/2018 N42DK Tach 480.1
				Serviced oil (8 qts. Aeroshell 100+), and filter (Ch48108). R/R engine driven fuel pump—installed an overhauled pump (P/N RG17980D, S/N C-2649), and adjusted pump as needed.
				 Dennis Trevino IA34645752
6/15/2018	485.6			Performed inspection in accordance with FAR 43 Sect D and found it to be condition for safe operation Donald Karich, repairman

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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.)

#### Ben's Motorworks

4029 W. Commonwealth Ave Hanger D28 Fullerton Ca 92833 714-396-6090

DATE 10/18/2018 N# N42DK A/C TT 488.86

MODEL Lanceair Legacy A/C S/N L2K-188 Hobbs 707.54

#### DESCRIPTION OF WORK

Removed all 6 cylinders for repair. Reinstalled repaired cylinders. All cylinders were honed and re ringed and all 12 rocker arms where re bushed by Tim's Aircraft engines of Long Beach Ca. RS T22R537Y RO10737. Installed with new gaskets kits. Installed using Lycoming Overhaul manual. Replaced all 4 rubber engine mounts with new J-9613-12. Drained the oil. Servied with 11 Qts of Aero Shell 100 Mineral oil. Changed oil filter PN CH48110-1. Ops check. and leak check All OK. This aircraft is ready for return to service test flight and break in.

SIGNED Brian P. Cass  CERT # AP 4075857

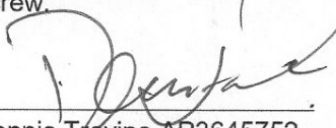
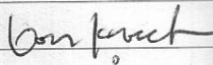
#### Inland Valley Aviation

7000 Merrill Ave. A335/Box 87 Chino, CA. 91710

04/12/2019 N42DK Tach 498.5

Reinstalled fuel pump P/N RG17980D S/N C-2649 after overhaul by quality aircraft accessories WO044125. Test ran for pressure check and leak check- no leaks at this time.

  
Dennis Trevino AP3645752

YEAR 2019 DATE	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)
				Inland Valley Aviation 7000 Merrill Ave. A335/Box 87 Chino, CA. 91710 04/12/2019 N42DK Tach 498.5 Removed broken cowling hinge pin and re-soldered to set screw.  Dennis Trevino AP3645752
4/2/2019				
5/2/2019				Replaced EGT probe #2.  Confruct Repairman

Date 8/03/2019 #N42DK Tach 511.11 TT 742.44

Model Lancair Legacy

Performed inspection in accordance with FAR 43 Section D and found to be in condition for safe operation.

Repairman Certificate #3081190

Donald Harick, Repairman



ations ber of entries.)	YEAR 2020 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE Hobbs	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.)
	2/22/2020	751.5		515.5	Change Oil Filter 100 W-P/US-11.2
	2/22/2020				Replaced Main Tires and tube on right
	2/28/2020				Replaced left Rotor - bled brakes

# Ben's Motorworks

4011 W. Commonwealth Ave Hanger D28 Fullerton Ca 92833 714-396-6090

DATE 8/21/2020 N# N420K Eng TTSMC 521.7

MODEL AEIO-540-EXP Eng S/N L-5343-48 TACH 521.7

ANNUAL DUE Aug-21 Hobbs 763.34

I certify that this Engine has been inspected in accordance with a ANNUAL inspection as per Title 14 C.F.R PART 43

APPENDIX (D) in scope and detail and has been found to be in airworthy condition at this time for return to service

## DESCRIPTION OF WORK

## COMPRESSION TEST

Drained the oil. Replaced the lower engine oil line and installed a T CYL #1 72 /80 CYL #2 76 /80  
with a cap for an engine oil drain. Replaced cyl #3 CHT probe and the CYL #3 76 /80 CYL #4 74 /80  
oil temp probe. Washed the engine. Removed the servo and cleaned. CYL #5 76 /80 CYL #6 75 /80  
Reinstalled. Checked the magneto timing. Serviced with 10 qts of aero shell 100 plus. Test ran. No leaks observed at this time.

SIGNED Benjamin M Kellogg

CERT # AP, IA 2698724

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Date 9/10/21 N# N42DK Tach 535.7

Model Lancair Legacy

Performed Inspection in accordance with FAR 43

Section D and found to be in condition for safe operation.

Repairman Certificate #3081190

*Donald J. Kervick*

Ben's Motorworks

4119 W. Commonwealth Ave Hanger D28 Fullerton Ca 92833 714-396-6090

DATE 12/8/2021 N# N420K

MODEL AEIO-540-EXP Eng S/N L-5343-48 TACH 536

DESCRIPTION OF WORK

COMPRESSION TEST

CYL #1 75/80 CYL #2 76/80

CYL #3 71/80 CYL #4 70/80

CYL #5 76/80 CYL #6 74/80

SIGNED Benjamin M Kellogg

CERT # AP, IA 2698724

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