

THE
adlogTM
AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. _____

Engine Manufacturer. LYCOMING

Model IO-540-K1G5D

Serial No. L-19897-48A

Date installed on aircraft. _____

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

☐ Right ☐ Left
☐ Front ☐ Rear



(All applicable information must be filled in)

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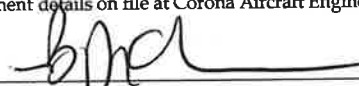

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FAX: (631) 765-9359

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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				
12/31/12	05smh			
LYCOMING IO-540-K1G5D S/n L-19897-48A 0 HOURS SINCE MAJOR OVERHAUL Disassembled, cleaned, and inspected this engine for a major overhaul under work order C190. The crankshaft was REPLACED with a certified M006 Mains and M003 Rods unit by Aircraft Specialties. The crankcase was repaired and overhauled by CSI under work order 20177. The connecting rods were replaced with overhauled units. The rocker arms were cleaned, Magnafluxed, re-bushed and certified. The counterweights were replaced with overhauled units. The camshaft was replaced with an overhauled unit by Aircraft Specialties and the lifter bodies were replaced with new. The cylinders were overhauled to fresh p10. The engine was reassembled in accordance with LYCOMING OVERHAUL MANUALS AND TABLES OF LIMITS. The following parts were replaced at overhaul. 12ea. SL74309A M03 Connecting Rod Bearing 2ea. SL13885 M06 Front Main Bearing 1ea. AN8-14A Crank Bolt 12ea. SL12186 Connecting Rod Nut 6ea. SL11575M06 Main Bearing 1ea. SL61084 Relief Spring 12ea. SL75060 Connecting Rod Bolt 1ea. LW19308 Overhauled Camshaft 1ea. STD-1028B Ball 12ea. 72626 Rocker Shaft 4ea. 73810 Crank Bushing 6ea. 73772 Cooling Nozzle 12ea. SL 72877 New Lifter Body 2ea. 72965 Counterweight Pin 6ea. SLSTD-1821 Hose 12ea. 74389 Rocker Bushing 2ea. SL72797 Counterweight Pin 6ea. LW13923 Rod Bushing 12ea. 6506 Breeze Clamp 8ea. SL14820 Counterweight Cir-clip 6ea. SL13444-1 Piston Pin 12ea. SL11797 Valve Spring 8ea. SL71907 Counterweight Plate 1ea. 71655 Tach. Shaft 12ea. SL11796 Valve Spring 2ea. 73644 Overhauled Counterweight 1ea. 71569-1 Gasket Kit 24ea. 17C21191 Exhaust Keeper 6ea. SL16740A Exhaust Valve 6ea. SL13622 Intake Valve 24ea. SL72050Intake Keeper 6ea. SL3601-SC P10 Ring Set 6ea. 10207 P10 Piston 6ea. Fresh P10 Overhauled Cylinder Assembly 1ea. SL53E19600 Vernatherm				
THIS ENGINE WAS OVERHAULED TO 0 Hours Since Major Overhaul -All pertinent details on file at Corona Aircraft Engines Inc. under WORK ORDER C190				
Signed  December 31, 2012 FAA REPAIR STATION O9VR726Y Corona Aircraft Engines, Inc. 1631 Jenks Drive Corona, CA 92880				
				

ACCESSORY LISTING

ITEM	PART#	S/N
MAGNETO	10-382560-13	1100615
FUEL SERVO	2524273-12	57423
FLOW DIVIDER	2524232-2	AC433
FUEL PUMP	AF15473	00V610
STARTER	149-NL	FN-391268
OIL COOLER 1	8001201	3889070
OIL COOLER 2	8001201	3889071
HARNESS	A49-10BS	N/A
SPARK PLUGS	RHM-38E	N/A

These Overhauled or New Accessories were supplied with engine at overhaul.

Model: IO-540-K1G5D
S/N: L-19897-48A
W/O: C190

Corona Aircraft Engines Inc.

Authorized Signature

F.A.A. Repair Station O9VR726Y

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TOTALS-Carry forward to next page

D/

AIRCRAFTERS, INC. FRENCH VALLEY – F70
37552 WINCHESTER ROAD, BUILDING 2, SUITE F, MURRIETA, CA 92563 PH: 951-304-1292
DATE: 4/15/2013 MODEL: LYC I-540-K1G5D REG#: N35621 ENG S/N: L-19897-48A TACH: 3528.0 TSMOH: 000.0 W/O: 134603
1. THIS ENGINE WAS RE-INSTALLED IN PIPER PA-32R-301 AFTER AN OVERHAUL BY CORONA ENGINES, SEE ENGINE LOG BOOK ENTRY. ALL NEW OR OVERHAULED ACCESSORIES WERE SUPPLIED WITH THE ENGINE EXCEPT THE VACUUM PUMP.
2. THE ENGINE WAS SERVICED WITH 12 QTS. OF AERO SHELL 100 NON DETERGENT OIL.
3. THIS ENGINE WAS INSPECTED AND SERVICED FOR AN ANNUAL INSPECTION.
4. THE ENGINE WAS SERVICED WITH AERO SHELL 100 NON DETERGENT OIL
5. THE MAG TIMING WAS CHECKED.
6. FUEL SCREENS WERE CLEANED. INSTALLED A NEW FUEL HOSE FROM THE FUEL SERVO TO THE FUEL FLOW DIVIDER
7. THE EXHAUST SHROUD, TOP AND BOTTOM WERE REPLACED WITH OVERHAULED UNITS FROM AERO SPACE WELDING. P/Ns 38162-06 & 38159-02. SEE 8130-3 FORMS WITH THE AIRCRAFT PAPERWORK.
8. THE ENGINE CONTROLS WERE CHECKED FOR TRAVEL.
9. INSTALLED A NEW AIR FILTER ELEMENT. P/N BA 3.
10. THE ENGINE WAS GROUND RUN AND CHECKED FOR PROPER OPERATION.
11. ALL AD'S WERE RESEARCHED AND COMPLIED WITH THROUGH 4/15/2013.
I CERTIFY THIS AIRCRAFT ENGINE IDENTIFIED ABOVE WAS INSPECTED AND REPAIRED, WHEN NECESSARY, IN ACCORDANCE WITH AN ANNUAL INSPECTION AND ALL APPLICABLE FARs AND WAS FOUND TO BE IN AIRWORTHY CONDITION.
BILL DAILED A & P 1910299 IA

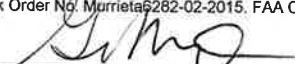
ENGINE MODEL: IO-540-K1G5D
ENGINE S/N: L-19897-48A
REG. NO: N35621
WORK ORDER: Murrieta6282-02-2015
Gryphon Aircraft Services, LLC.
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 5/1/2015
A/C TSN: 3545.4
ENG TT: 3545.4
TSMOH: 17.4
TACH: 3545.4

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed oil and filter CH48103-1. Serviced engine with 8 qts. a/s 100-50w. Compression check #1 74 #2 74 #3 74 #4 74 #5 74 #6 70. Cleaned, gapped and tested all spark plugs.... Replaced worn SCAT hose.

I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta6282-02-2015. FAA CRS #2SDR271B.

DATE: 5/1/2015 SIGNED:  Work Order: Murrieta6282-02-2015

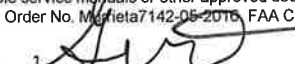
ENGINE MODEL: IO-540-K1G5D
ENGINE S/N: L-19897-48A
REG. NO: N35621
WORK ORDER: Murrieta7142-05-2016
Gryphon Aircraft Services, LLC.
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 6/14/2016
A/C TSN: 3570.18
ENG TT: 3570.18
TSMOH: 42.18
TACH: 3570.18

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed oil and filter CH48103-1. Serviced engine with 11 qts. a/s 100-50w. Compression check #1 76 #2 78 #3 78 #4 74 #5 77 #6 75. Cleaned, gapped and tested all spark plugs. See AD note update sheet and master list for complete AD note history thru this date and current revision.... Complied with AD 2015-19-07 Fuel Injection line inspection, no defects noted, due each 100 hours

I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta7142-05-2016. FAA CRS #2SDR271B.

DATE: 6/14/2016 SIGNED:  Work Order: Murrieta7142-05-2016
Printed by EBis 3 (datamedia.com)

ENGINE MODEL: IO-540-K1G5D
ENGINE S/N: L-19897-48A
REG. NO: N35621
WORK ORDER: Murrieta8047-07-2017



Gryphon Aircraft Services, LLC.
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 7/10/17
A/C TSN: 3578.23
ENG TT: 3578.23
TSMOH: 50.23
TACH: 3578.23

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed oil and filter AA48110-2. Serviced engine with 11 qts. AS 100w. Compression check #1 76 #2 78 #3 76 #4 77 #5 77 #6 68. Cleaned, gapped and tested all spark plugs.

I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta8047-07-2017. FAA CRS #2SDR271B.

DATE: 7/10/17 SIGNED:  Work Order: Murrieta8047-07-2017

11/25/2020.

Tach: 3584.1

TSMO:

DATE

Drained Oil and Installed New Filter P/N 48103-2. Serviced Engine with 12 Qts. Aeroshell 50w 100 Plus. Washed and cowled. Removed and Clean Injectors. Cleaned and Gapped Spark Plugs. Cylinder Compressions #1 76/80 #2 72/80 #3 76/80 #4 76/80 #5 76/80 #6 78/80. Complied With AD 08-14-07 Next Due at 3684.1 or Annual. See AD List for Further Compliance. Engine Ground Run Complete, No Leaks Found. Jason Shurance.AP3710333.

MED—
PERFORMING WORK

ENGINE MODEL:
IO-540-K1GSD
ENGINE S/N: L-19897-48A
REG. NO: N35621
WORK ORDER:
Murrieta9167-10-2018



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 12/1/2020
A/C TSN: 3584.1
ENG TT: 3584.1
TSMOH: 56.1
TACH: 3584.1

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed oil and filter AA48110-2. Serviced engine with 11 qts AS 100w. Compression check #1 76 #2 78 #3 76 #4 75 #5 77 #6 68. Cleaned, gapped and tested all spark plugs. Remove and Replaced Fuel Servo for Overhaul by Ametek B&S Aircraft Services w.o. 101379, RUn for leaks o.k., set Idle Speed and Mixture

I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9167-10-2018. FAA CRS #2SDR271B.

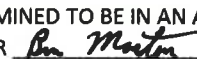
DATE: 12/1/2020

SIGNED: 

Work Order: Murrieta9167-10-2018

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Date 01-17-25 N35621 PIPER PA-32R-301 Ser No. 32R-8013022
Tach: 3584.4 TTAF 3584.4 SMOH 56.3 TSPOH 56.3

1. COMPRESSION CHECK #1-78, #2-79, #3-79, #4-77, #5-78, #6-79, ALL OVER 80 PSI
2. CLEAN AND GAP SPARK PLUGS
3. CHANGE OIL, 10 QTS AEROSHELL 100 PLUS AND FILTER 48103-1
4. CHECK EXHAUST SYSTEM
5. LUBE ALL CONTROLS
6. REPLACE AIR FILTER BA-3
7. AIRCRAFT GROUND RUN, ALL OPS NORMAL AT THIS TIME
8. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME
9. BRUCE MONTOUR  A&P 2471061 IA.

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TOTALS-Carry forward to next page

TOTAL

Engine Logbook

Date: 06/20/2025



Reg No: N35621	Aircraft Type: PA-31R-301	Aircraft S/N: 32R-8013022
Tach: 3596.5	Hobbs: 3208.1	Aircraft Total Time: 3208.1
Engine Model: IO-540-KG5D	Engine S/N: L-19897-48-A	Engine SMOH: 0.0

1. Removed and sent engine for overhaul at Triad Aviation **W/O: 29658.**
2. Installed overhauled engine and all new engine shock mounts **PN: J-3804-40.**
3. Serviced engine with 12 Quarts of aeroshell 100 mineral oil and installed **AA48103-2** oil filter.

Performed engine pre oil and run up and operational checks. No discrepancies noted for the work performed.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 06/20/2025

Signed: 
Hayden Shadoan A&P 4960099