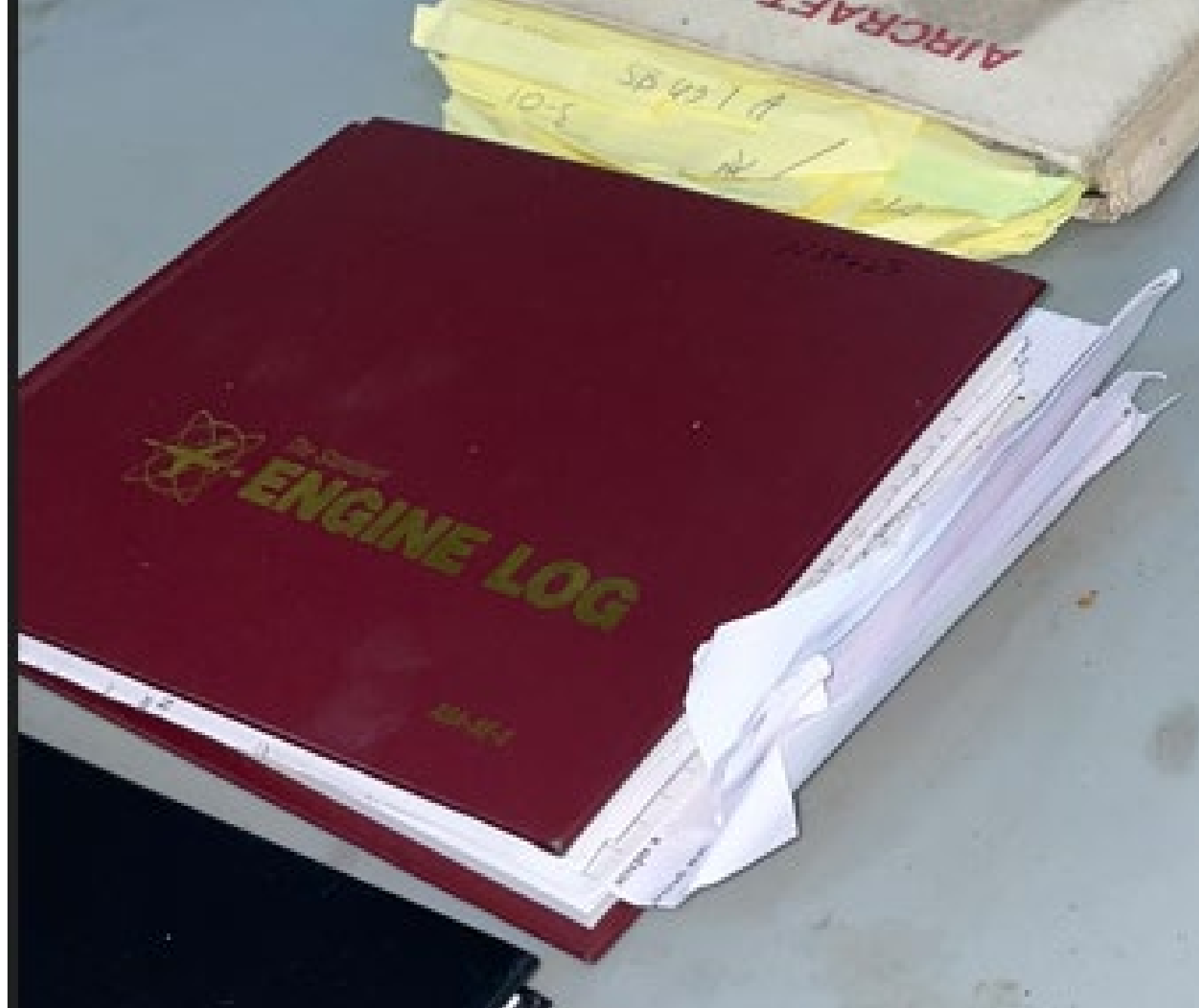




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TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alter
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific

ENGINE

DATE: 05-04-2022

N39628

ENGINE S/N: L-5551-61A

MODEL: LYC TIO-540-S1AD TACH: 3041.17 TTSN: 3041.17 TSMOH: 0.00

Installed this engine LYC TIO-540-S1AD, S/N: L-5551-61A in overhauled condition with 0.00hrs TSMOH, this engine was installed IAW Piper Lance II Service Manual P/N: 761-641, Rev. IR860920, para. 8A-16 through 8A-39. Installed with new engine mount kits P/N: J3804-37 and kit P/N: J3804-39 and new engine mount bolts P/N: AN7-27A and nuts P/N: MS20365-720C; Serviced engine with 12 qrts. Aeroshell 100 mineral oil, installed new oil filter P/N: AA48103-2, installed 12 ea. new spark plugs P/N: URHB32E, installed new air filter P/N: P10-6590, installed turbo and turbo over boost pressure relief valve in overhauled condition P/N. 406610-9026, S/N: XJO10209 and P/N: LW14445-10, S/N: HEO220. See attached engine overhaul certification for engine overhaul details and installed parts list. Performed engine run-up, Ops. and leak check normal. CW AD 91-21-01 Exhaust system inspection, found normal, next due at TACH: 3141.17, CW AD 2015-19-07 Externally mounted fuel injector lines inspection, found normal, next due at TACH: 3151.17. Complied with all applicable ADs through April 21, 2022 as of Biweekly 2022-09/-10 (see attached AD Compliance Record).

I certify that I have inspected this engine in accordance with 14 CFR Part 43 Appendix-D; ANNUAL INSPECTION. . This engine is returned to service. END

Alain Camous A&P 3

ENGINE OVERHAUL CERTIFICATION

DATE: 05-04-2022
S/N: L-5551-61A

MFG. LYCOMING
TTSN: 3041.17

MODEL: TIO-540-SIAD
TSMOH: 0.0

This Lycoming engine Model: LYC TIO-540-A1AD, S/N: L-5551-61A was overhauled in accordance with Textron Lycoming Overhaul Manual 60294-7 Rev. 60294-7-9, according to factory recommended procedures, specifications and limits and all pertinent Federal Aviation Regulations. All applicable Airworthiness Directives, specifications Bulletins were incorporated, Ref. attached Airworthiness Directives Compliance Records. Crankcase was overhauled by Divco Inc. under W.O.# 133074; Crankshaft/counterweights Assy. S/N: 87424 overhauled by Aircraft Specialties Services, Inc. under W.O.# 269801; New Camshaft P/N: LW-19340 was installed; Connecting rods, hydraulic units, cam followers, rocker arms, and accessory gears were overhauled by Aircraft Specialties Services, Inc. under W.O.# 269801; Through bolts magnafluxed and re-Nicad plated by Palm Beach Propeller under W.O.# 76793; Pistons and Cylinder assemblies were overhauled by J & E Aircraft CO. under W.O.#.2802; Magneto P/N: 10-682560-13, S/N: H0499086R was overhauled by Tropic Airpower under W.O.# T6761; Turbo P/N: 406610-9026, S/N: XJ010209 was overhauled by Approved Turbo Components under work order # 41366. All the guidelines from the Lycoming Table of Limits SSP 1776-4 and Lycoming Direct Drive Engines Overhaul manual 60294-7-9 were followed a time of overhaul. C.W. AD 75-08-09 by installation of new oil pump gears, C.W. AD 95-07-01 by installation of new connecting rod bolts P/N: SL75060, AD 2004-10-14 (NO PROP. STRIKE); C.W. Lycoming MSB 240W Mandatory Parts Replacement at Overhaul.

PARTS INSTALLED:

1 ea. P/N: SL15903	GASKET KIT- NEW.
1 ea. P/N: LW-11224	CRANKSHAFT ASSY. S/N: 87424, OVERHAULED, JOUR. MAIN M003, RODS M003
6 ea. P/N: LW-10646	CONNECTING ROD. OVERHAULED.
12 ea. P/N: SL74309A-M03	BEARING, CONNECTING ROD - NEW.
12 ea. P/N: SL75060	BOLT, CONNECTING ROD - NEW.
12 ea. P/N: SL12186	NUT, CONNECTING ROD - NEW.
1 ea. P/N: LW-19340	CAMSHAFT ASSY - NEW.
12 ea. P/N: LYC 72877	TAPET BODY - OVERHAULED.
12 ea. P/N: LYC 78290	HYDRAULIC UNIT - OVERHAULED.
1 ea. P/N: LYC-78528	BODY ASSY, OIL PUMP - VISUAL AND DIM INSPECTED.
1 kit P/N: 05K23463	OIL PUMP IMPELLERS - NEW
1 ea P/N: LW-10318	GEAR, OIL PUMP, DRIVE - NEW.
1 ea. P/N: 70388	GEAR, GOVERNOR, IDLER - OVERHAULED.
1 ea. P/N: LW10442	GEAR, GOVERNOR, DRIVE - OVERHAULED.
2 ea. P/N: SL13885A-M03	MAIN BEARING(FRONT) STANDARD - NEW.
6 ea. P/N: 18E23886-M03	MAIN BEARING STANDARD - NEW.
1 ea. P/N: LW10324	GEAR, IDLER, FULE PUMP - OVERHAULED.
1 ea. P/N: 72974	GEARSHAFT VACUUM PUMP - OVERHAULED.
1 ea P/N: LW10284	GEAR, CRANKSHAFT - OVERHAULED
1 ea. P/N: AN8-14A	BOLT, CRANKSHAFT GEAR - NEW.
1 ea. P/N: SL1028-B	BALL, OIL PRESSURE RELIEF VALVE - NEW.
1 ea. P/N: SL68668	SPRING, OIL PRESSURE RELIEF VALVE - NEW.
1 ea. P/N: SL53E19600	VALVE, OIL TEMPERATURE CONTROL - NEW.
24 ea. P/N: SAP-SL383-B	NUT, CYLINDER HOLD DOWN - NEW.
24 ea. P/N: SL-STD2090	NUT, CYLINDER HOLD DOWN - NEW.
6 ea. P/N: SL-STD-2108	HOSE, OIL DRAIN - NEW.
12 ea. P/N: URHB32E	SPARK PLUG - NEW.

This engine was ground run in accordance with Textron Lycoming Overhaul Manual 60294-7 schedule, oil filter was removed and cut open, inspected, and found clean. Engine performance, pressures and temperatures found within normal operating limits. Operational and leak check normal. This engine is returned to service with 0.00 TSMOH.....

YEAR
20____
DATE

RECORDING
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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.)

ENGINE

DATE: 06-10-2022 N39628 ENGINE S/N: L-5551-61A
MODEL: LYC TIO-540-S1AD TACH: 3050.60 TTSN: 3050.60 TSMOH: 9.43
10 Hrs. SMOH oil change: Drained engine oil, removed oil screen, inspected oil screen, found normal, removed oil filter, cut open filter, inspected, found normal, serviced engine with 12 Qtrs. of Aeroshell 100 mineral oil. Installed new engine oil filter P/N: AA48103-2. Performed engine run-up, Ops and leak check normal. This engine is returned to service.....END.....
Alain Camous A&P [REDACTED]

ENGINE

DATE: 06-15-2022 N39628 ENGINE S/N: L-5551-61A
MODEL: LYC TIO-540-S1AD TACH: 3054.04 TTSN: 3054.04 TSMOH: 12.87
Removed fuel pump P/N: RG9080J6A/M, S/N: D-9436 for overhaul, installed fuel pump P/N: RG9080J6A/M, S/N: D-9436 in overhauled condition per Piper Service Manual 761-6411, para. 8-14 through 8-21. Performed engine run-up, Ops and leak check normal. This engine is returned to service regarding work performed.END.....
Alain Camous A&P [REDACTED]

IR	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)	YEAR 20 DATE
				ENGINE DATE: 09-24-2022 N39628 ENGINE S/N: L-5551-61A MODEL: LYC TIO-540-S1AD TACH: 3073.70 TTSN: 3073.70 TSMOH: 32.53 Drained engine oil, removed oil screen, inspected oil screen, found normal, removed oil filter, cut open filter, inspected, found normal, serviced engine with 12 Qtrs. of Aeroshell 100 mineral oil. Installed new engine oil filter P/N: AA48103-2. Performed engine run-up, Ops and leak check normal. This engine is returned to service. END Alain Camous A&P	



The Standard

AIRCRAFT LOG

ASA-SA-1

DATE 19	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 Technician or Repair Facility. (See back pages for other specific entries.)
DATE: 05-04-2022 AIRFRAME N39628 AIRCRAFT S/N: 32R-7887127 MODEL: PIPER PA-32RT-300T ACTT: 3041.17 TACH: 3041.17 I certify that I have inspected this aircraft in accordance with 14 CFR Part 43 Appendix-D; ANNUAL INSPECTION. Additional work performed: Removed engine LYC TIO-540-S1AD, S/N: L-5551-61A for overhaul, removed propeller Hartzell HC-C3YR-1RF, S/N: FM-1486B for engine overhaul, installed same engine after overhaul with TSMOH: 0.00, installed same propeller Hartzell HC-C3YR-1RF, S/N: FM-1486B in continued time condition; Removed and replaced aircraft battery P/N: RG-35AXC; Serviced brake system with hyd. fluid MIL-H-5606; Lubricated all flight controls and pulleys; Checked flight controls cables tension; Performed E.L.T. ops check per FAR 91-207 (d); Removed Man/Fuel pressure indicator, sent for overhaul, installed overhauled indicator P/N: 1U028-005, S/N: 14389; Removed, cleaned, inspected and serviced MLG and NLG wheel bearings, removed and replaced NLG wheel bearings and races P/N: LM67048-20629 and LM67010-20629. CW AD 78-23-01 fuel drain valve door, found normal, next due at TACH: 3141.14, AD 2013-02-13 Horz. Stabilator control syst. inspection PCW and visual inspection found normal, NEXT DUE AT TACH: 4939.9 or on or before 11-20-2027, AD 2020-26-16 Spar bolt holes inspection not applicable at this time. All ADs reviewed through April 21, 2022 as of Biweekly 2022-09/-10 (See attached AD compliance records). All work performed was accomplished IAW Piper Lance II Service Manual P/N: 761-641, Rev. IR860920. I find this aircraft to be in airworthy condition. This aircraft is returned to service Alain Camous A&P				

TE	RECO TACH TIME	DATE: 09-30-2022	AIRFRAME N39628	AIRCRAFT S/N: 32R-7887127	Alterations (e Number of specific entries.)
		MODEL: PIPER PA-32RT-300T ACTT: 3073.70 TACH: 3073.70 Removed and replaced aircraft tachometer with new tach. P/N: D1-112-5023 with tach. Hours indicating current aircraft total time (ACTT) of 3073070 hours, ops. Check normal. Installed Garmin GI 275 EIS/MFD Instrument P/N 011-04489-00 S/N: 5M2002166 and Garmin GEA 24 Engine Adapter P/N 011-02848-01; Installed Garmin 011-04202-00 Manifold Pressure Sensor, Garmin 011-04202-30 Oil Pressure Sensor, UMA T3B3-2.5G Oil Temperature Sensor, Garmin 011-04202-20 Fuel Pressure Sensor, Garmin 011-00978-00 Outside Air Temperature Sensor, Electronics International FT-60 Fuel Flow Sensor; Installation was performed in accordance with Garmin GI 275 Part 23 AML STC SA02658SE EIS & MFD Installation Manual P/N 190-02246-14 revision 10 dated October 2021; Installed Qty 6 Alcor 86252 K-Type CHT Sensors with Alcor 28202 Adapter in accordance with Alcor Part 23 STC SA522SW Installation Manual P/N 59188 Revision G Dated January 2008; Installed Qty 6 Alcor 86255 K-Type EGT Sensors in accordance with Alcor Part 23 STC SA 522SW Installation Manual P/N 59180 Revision G Dated January 2008; Interfaced Alcor EGT and CHT Sensors to Garmin GEA 24 Engine Adapter in accordance with Garmin GI 275 Part 23 AML STC SA02658SE EIS & MFD Installation Manual P/N 190-02246-14 revision 10 dated October 2021; Performed Post installation configuration and testing in accordance with Garmin GI 275 Part 23 AML STC SA02658SE EIS & MFD Installation Manual P/N 190-02246- 14 revision 10 dated October 2021; Provided in the pilot's operating handbook the GI 275 Multifunction Instrument Aircraft Flight Manual Supplement P/N 190-02246-12 Revision 7 dated October 7, 2021. 9. Updated weight and balance found in Pilot's Operating Handbook dated 09-30-2022 10. Electrical loads evaluated and found to be acceptable. See FAA Form 337 dated 09-30-2022. This aircraft is returned to service regarding work performed. END..... Alain Camous A&P			



N39628

Propeller Record General Information

Propeller Manufacturer Hartzell

Model HC-E34R-1RF / F7673DR

Type I

Hub Series # FM-148CB

Blade #

Date of Manufacture June 2006

Make/Model

Serial #

Aircraft Installed On: Piper PA-32RT-300T

32R-7887127

☐ **HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS**

Year: _____

Date: _____

Next Inspection
Due: _____

Year: _____

Date: _____

Next Inspection
Due: _____

Year: _____

Date: _____

Next Inspection
Due: _____

Time Since
Overhaul

Mech. Cert. # or Repair Station # _____

PROPELLER

DATE: 05-04-2022

N39628

PROPELLER S/N: FM-1486B

MODEL: Hartzell HC-C3YR-1RF

TACH: 3041.17 ACTT: 3041.17

PROP. TT: 934.77

PROP. TSOH: 934.77

Installed this propeller: Hartzell HC-C3YR-1RF, S/N: FM-1486B after engine overhaul, torqued and safety wired propeller nuts, this propeller was installed IAW Piper Lance II Service Manual P/N: 761-641, Rev. IR860920, para. 8A-4 through 8A-7. Inspected propeller blades and hub, found normal, inspected spinner bulkhead and spinner, found normal. Performed engine run up, cycled propeller, Operational and leak check normal. Advised owner/operator that propeller is past manufactures recommended TBO. Verified compliance of all applicable propeller AD's through June 3, 2022 as of Biweekly 2022-11/-12 (See attached AD Compliance Record). **I certify I have inspected this Propeller in accordance with 14 CFR Part 43 Appendix-D ANNUAL INSPECTION.** I find this Propeller to be in airworthy condition. This propeller is returned to service. **END**.....
Alain Camous A&P [REDACTED]