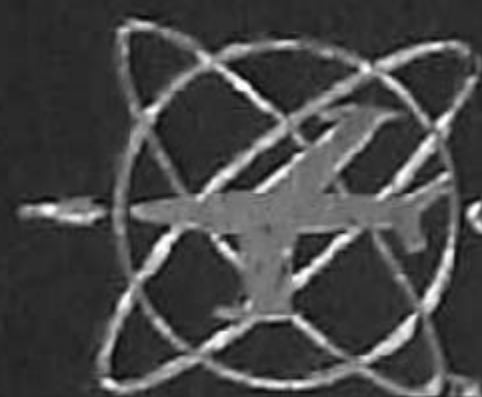


#2

ANOTHER QUALITY OVERHAUL
BY

**CERTIFIED
ENGINES
UNLIMITED, INC.**
OF
PEMBROKE PINES, FLORIDA



The Standard

ENGINE LOG

ASA-SE-2

Engine Record General Information

Manufacturer: Textron Lycoming

Model TIO-540 AH1A

Serial: L-12465-61A

Type Certificate: E14EA-REV 22

**This engine is currently installed
in aircraft:** PA32-301T N614DM

Minimum Octane Fuel: 100 LL

Oil Grade *Summer:* 50W
Winter: 40W

Magneto Time: 20° BTC

Spark Plug Gap: .016 - .021

Firing Order: 1-4-5-2-3-6

**Manufacturer's Recommended
TBO at 2000 hours* hours**

Comments: *if any engine is being used in 'scheduled frequent' type service, but not for flight training, & accumulates 40 hours or more per month, & has been so operated consistently, add 200 hrs to TBO time.

YEAR 2019 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.)
				CERTIFIED ENGINES UNLIMITED, INC. FAA CRS# KG4R309M 1630 SW 75th Ave. Pembroke Pines, Florida 33023 Phone: (305)685-8331 LIMITED OVERHAUL WARRANTY 1. Subject Matter and Scope of Warranty. Certified Engines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from defects in material workmanship. This Warranty is expressly subject to the terms and conditions set forth below and shall not apply outside the operational periods listed or to any engine which has been subject to misuse, neglect, accident or damage from the elements or which has been installed, repaired, maintained or altered in any manner which in the judgment of CEU has had an adverse effect on the performance or reliability of engine or part. 2. Time Limits. This Warranty for parts and labor extends for a period of nine (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional prorated warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on geared engines. CEU considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours a month, regardless of actual operation hours. 3. Express Conditions. As a time and condition of this Warranty, the customer is required to follow factory recommended service procedures and maintenance guidelines. 4. Proper maintenance logbooks are to be kept by and maintained by the customer and shall be furnished to CEU on demand as a condition of the Warranty. 5. Limitations and Exclusions. All parts and labor are to be approved by CEU prior to commencement of work under this Warranty. CEU is responsible only for the cost of reasonable labor and materials necessary to repair or replace the parts CEU determines to be defective in material or workmanship at CEU's place of business, located at Opa-Locka, Florida. Under no circumstances shall CEU be responsible for charges in the removal and reinstallation of defective parts or engines. 6. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS AND FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR DEALING OR TRADE USAGE. THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OF CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM. 7. LIMITATION ON LIABILITY. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGE, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS. 8. CRACKED CYLINDERS AND CRANKCASES ARE EXCLUDED FROM ALL WARRANTIES UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.

YEAR 20 <u>19</u> 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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MAINTENANCE RELEASE



FAA CRS# KG4R309M

The aircraft engine and/or component identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

CAUTION!

This engine has been run according to factory recommended procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty.

CAUTION!

Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul, eg. prop, prop governor, oil cooler, oil tank, & all fuel & oil lines.

For proper warranty coverage consult Certified Engines before any repairs or adjustments are made on the engine.

Pertinent details of the repair are on file at this agency under:

INV/WO# 70039/53479 Date 12/02/2019

Signed [Signature]
(Signature of authorized individual)

For Certified Engines Unlimited

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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.)

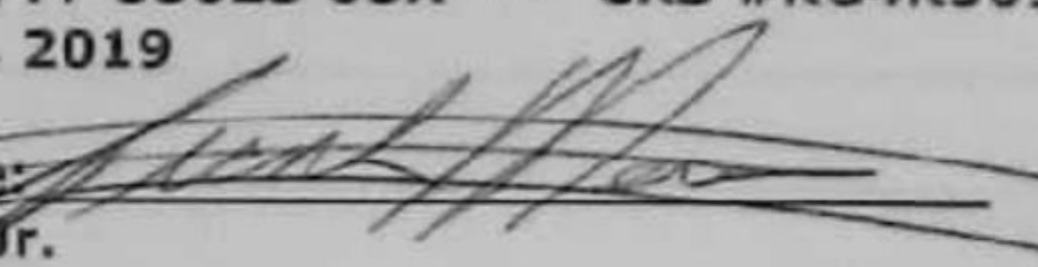
This Lycoming engine, model TIO-540 AH1A, s/n L-12465-61A, was Overhauled this date by Certified Engines Unlimited, Inc., of Pembroke Pines, Florida, according to factory recommended procedures, specifications, limits and pertinent Federal Aviation Regulations.

All internal steel parts were magna-fluxed by Palm Beach Aircraft Propeller Inc., CRS #LU4R349M, and all non-ferrous materials were checked for cracks. Guidelines from the Lycoming Table of Limits SSP #1776 and Overhaul Manual #60294-7-14 were followed at time of overhaul.

Reused Magnetos & Harness in as-removed condition per customer request. Supplied Fuel Injector Servo & installed Flow Divider & Nozzles(8 lb), OHC by Avstar Aircraft Accessories CRS # V1RR580Y. Installed modified Fuel Pump, OHC by Consolidated Fuel Systems, CRS #9KPR369B. Installed NEW Sky-tec Starter from Hartzell Engine Tech under approval #375496722. Supplied Alternator, OHC by Aerotech of Louisville, CRS # PU4R453M. Supplied Waste Gate, Controller, & Pressure Relief Valve, OHC by Approved Turbo Components, CRS# U5AR184Y. All tags received from the accessory suppliers are located at the rear of this logbook.

Installed Camshaft, reground & certified by D&S Cam Corp, CRS # D13R133Y. Crankshaft s/n AV537939445 n/a with AD 2006-20-09, SB533 or 569A by s/n. Six Nickel Plated OHC Cylinder Assemblies & a new set of Champion spark plugs were installed. The Harness was reused per customer request.

Certified Engines Unltd Inc ** Pembroke Pines, Fl 33023 USA ** CRS #KG4R309M
Inv/wo # 70039/53479 ** Date: December 2, 2019

Authorized Signature: 
Frank Neves, Jr.

YEAR
2019
DATE

RECORDING

TODAY'S

TOTAL

Description of Inspections, Tests, Repairs and Alterations

YEAR
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DATE

Recommended parts listed in the Lycoming OH Manual #60294-7-14 and Service Bulletin SB#240W were installed at time of overhaul: *FAA-PMA Parts are frequently substituted for Textron Lycoming factory parts.

1	78629	BEARING BALL
12	RHE32E	SPARK PLUG
1	CH48110-1	OIL FILTER
1	13S19647M	CRANKSHAFT GEAR, MODIFIED
10	MS21333-75	INJECTION LINE CLAMP
1	AN565B1032H5	SET SCREW
12	MS21333-65	INJECTION LINE CLAMP
12	STD-2233	EXHAUST NUT
12	15B28568	LIFTER BODY
12	76290	PLUNGER ASSY
1	AA9144	PROP GOVERNOR GASKET
1	MS28775-137	O-RING
12	951391	O RING
6	18E23886	C/SHAFT BEARING
2	SL13885A	FRONT C/SHAFT BEARING
12	18N28106	CONN ROD BEARING
1	05K22599	KIT-SEAL & GASKET SET
1	56G28031	OIL SUMP BAFFLE
2	AEL67542	BEARING, BALL
6	LW-18737	HOSE
2	02H22427	HOSE
2	STD-2048	HOSE
1	75330	HOSE
1	76784	SHAFT, OIL PUMP
1	75737	OIL FILLER TUBE
6	SC	NICKEL PLATED OHC CYL ASSYS

6	SL13444-1	PISTON PIN ASSY
1	SL-STD-2209	CRANKSHAFT BOLT
3	LW-31-0.94	BOLT
1	SL-STD-1410	NUT
12	SL12596	ROD BOLT
12	SL12186	CONN ROD NUT
1	AEL19600	VALVE, TEMPERATURE CONTROL
2	LW-25-0.63	BOLT
1	STD-95	KEY
1	MS16582-28	PIN
6	STD-2180	DRAIN HOSE
8	SL71907A	C/WEIGHT RET WASHER
4	SL73810	C/SHAFT BLADE BUSHING
1	SL-STD-1211	EXPANSION PLUG
1	05K23463	IMPELLER KIT
4	68H22624	CUSHION- MAGNETO DRIVE
1	AEL1026-B	BALL-CHROME ALLOY
1	AEL51084	OIL PRESS RELIEF SPRING
6	SL13923A	CONN ROD BUSHING
12	AEL72626	SHAFT, ROCKER, ANGLE
8	SL14820	RET RING
1	MS16625-1081	CLIP
2	SL73648	C/W ROLLER
2	SL76788	C/W ROLLER
1	51A22618	OIL PUMP BODY

After final assembly, this engine was run-in for a period of three hours on test stand with all temperatures, pressures, and performances within those limits as prescribed by the factory. Oil filter checked clean.

Airworthiness directives complied with during this overhaul are listed at the rear of this logbook. This engine is acceptable for return to normal service.

Certified Engines Unltd Inc ** Pembroke Pines, Fl 33023 USA ** CRS #KG4R309M
Inv/wo # 70039/53479 ** Date: December 2, 2019

Authorized Signature:

Frank Neves, Jr.

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YEAR
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ENGINE MODEL: TIO-540
AH1A
ENGINE S/N: L-12465-61A
REG. NO: 614DM
WORK ORDER:
8643-10-2019



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 1/24/2020
A/C TSN: 1667.2
ENG TT: 1667.2
TSMOH: 0.1
HOBBS: 1667.2

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tries.)

Engine Entries

- (5) INSTALLED ENGINE LYCOMING TIO-540 AH1A S/N L-12465-61A AFTER OVERHAUL FROM CERTIFIED ENGINES UNLIMITED (UNDER W/O 53479-000) IAW PA32R-301T MM CH 71-00-00. SERVICED WITH 12 QTS OF AEROSHELL 15W50. INSTALLED NEW OIL FILTER CH48110-1.
- (8) C/W AD 2017-14-04 OIL COOLER HOSE. INSTALLED TSO-C53A-TYPE-D HOSES AFTER ENGINE O/H. TERMINATING ACTION.
- (15) REPLACED TURBO AIR INLET COUPLINGS WITH NEW P/N LW14467 AND LW19108 IAW PA32R-301T MM CH 81-20-00.
- (21) REMOVED TURBO EXHAUST TRANSITION PIPE ASSY P/N 47C21912 AND RE INSTALLED AFTER REPAIR FROM PLANEXHAUST CORP (UNDER W/O 37205) IAW PIPER PA32R-301T MM CH 81-20.
- (26) REPLACED STARTER RING GEAR WITH NEW P/N 72566 IAW LYCOMING SI 1141A.
- (36) REMOVED PROP GOVERNOR AND RE INSTALLED AFTER OVERHAUL FROM PALM BEACH AIRCRAFT PROPELLER (UNDER W/O 55592) IAW PA32R-301T MM CH 61-20.
- (37) REMOVED LH AND RH OIL COOLERS AND RE INSTALLED AFTER FLUSH FROM PACIFIC OIL COOLER (UNDER W/O 135674 AND 135675)

DATE: 1/24/2020

SIGNED:

Dennis Allard, A&P: 3808264

Work Order: 8643-10-2019

Printed by EBis 3 (datcomedia.com)

YEAR
20
DATE

ENGINE MODEL: TIO-540
AH1A
ENGINE S/N: L-12465-61A
REG. NO: 614DM
WORK ORDER:
8989-07-2020



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 8/26/2020
A/C TSN: 1682.9
ENG TT: 1682.9
TSMOH: 15.7
HOBBS: 1682.9

Engine Entries

(3) C/W ANNUAL INSPECTION ON THIS ENGINE IAW 14 CFR PART 43, APPENDIX "D" USING PA32R-301T MM INSPECTION CHECKLIST AS A GUIDE. CHANGED ENGINE OIL AND FILTER. SERVICED ENGINE WITH 12 QTS AEROSHELL 15W50 OIL AND A NEW FILTER. OLD FILTER WAS CHECKED FOR CONTAMINATION. NONE FOUND. CHECKED MAG TO ENGINE TIMING. CLEANED, REGAPPED, AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK: 74-79-79-78-79-78/80. WORK PERFORMED IAW PA32R-301T M/M. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP.
(8) C/W AD 2015-19-07 FUEL INJECTOR LINES INSP, BY INSPECTING THE SECURITY AND CONDITION OF THE FUEL LINES AND SUPPORT CLAMPS.
(39) ADJUSTED IDLE SPEED AND MIXTURE RISE IAW PA32R-301T MM CH 73-20-00.
(42) REPLACED SPARKPLUGS ON CYL 1 TOP & BOTTOM & CYL 2 BOTTOM WITH NEW P/N RHB32E IAW LYCOMING S/I 1042AH.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 8/26/2020

SIGNED:

Emmanuel Vicioso, IA: 3708718

Work Order: 8989-07-2020

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TIO-540
AH1A
ENGINE S/N: L-12465-61A
REG. NO: 614DM
WORK ORDER:
8989-07-2020



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 8/26/2020
A/C TSN: 1685.9
ENG TT: 1685.9
TSMOH: 18.7
HOBBS: 1685.9

Engine Entries

(53) ADJUSTED GOVERNOR FULL POWER RPM SPEED TO BE WITHIN SPECS I.A.W. PA-32R-301T M.M. CH 71-00-00.

DATE: 8/26/2020

SIGNED:

Ezequiel Morales, A&P: 3845964

Work Order: 8989-07-2020

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ENGINE MODEL: TIO-540
AH1A
ENGINE S/N: L-12465-61A
REG. NO: 614DM
WORK ORDER:
9212-01-2021

Premier
Aircraft Service

Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 1/15/2021
A/C TSN: 1726.7
ENG TT: 1726.7
TSMOH: 59.5
HOBBS: 1726.7

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Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 12 QTS. OF AEROSHELL 15W50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. INSPECTED SUCTION SCREEN FOR CONTAMINATION. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

(4) ADJUSTED IDLE MIXTURE RISE IAW PA32R-301T MM CH 73-20-01.

DATE: 1/15/2021

SIGNED:

Desmond Gray, A&P: 3622985

Work Order: 9212-01-2021

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TIO-540
AH1A
ENGINE S/N: L-12465-61A
REG. NO: 614DM
WORK ORDER:
9276-02-2021

Premier
Aircraft Service

Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 3/9/2021
A/C TSN: 1769.1
ENG TT: 1769.1
TSMOH: 101.9
HOBBS: 1769.1

Engine Entries

(8) CHANGED OIL AND FILTER. SERVICED WITH 11 QTS. OF AEROSHELL 15W50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. INSPECTED SUCTION SCREEN FOR CONTAMINATION. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED. ALL WORK PERFORMED IAW PA-32R-301T MM CH 12-10-00, CH 12-20-00 & LYCOMING STANDARD PRACTICES (SSP-1776-5) SECTION V

DATE: 3/9/2021

SIGNED:

Tyler Facey, A&P: 4249255

Work Order: 9276-02-2021

Printed by EBis 3 (datcomedia.com)

YEAR

20

DATE

ENGINE MODEL: TIO-540
AH1A
ENGINE S/N: L-12465-61A
REG. NO: 614DM
WORK ORDER:
9375-05-2021

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 5/26/2021
A/C TSN: 1819.6
ENG TT: 1819.6
TSMOH: 152.4
HOBBS: 1819.6

Engine Entries

(4) CHANGED OIL AND FILTER. SERVICED WITH 12 QTS. OF AEROSHELL 15W50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. INSPECTED SUCTION SCREEN FOR CONTAMINATION. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED. ALL WORK PERFORMED IAW PA-32R-301T MM CH 12-10-00, CH 12-20-00 & LYCOMING STANDARD PRACTICES (SSP-1776-5) SECTION V

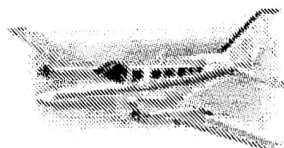
DATE: 5/26/2021

SIGNED:

Desmond Gray, A&P: 3622985

Work Order: 9375-05-2021

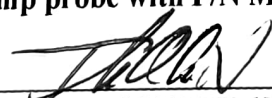
Printed by EBis 3 (datcomedia.com)



DATE: June 3, 2021
MAKE / MODEL: Piper PA32R-301T
HM: 1,827.0

AIRCRAFT REG: N614DM
AIRCRAFT S/N: 3257434
AIRCRAFT TT: Unknown

1. Replaced oil temp probe with P/N MS28034-1, S/N 93327.

Signature  Thomas A Schmidt AP3485687IA
Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309
(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

YEAR
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DATE

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Revisions and Alterations
per of
entries.)

DATE: August 26, 2021

MAKE / MODEL: Piper PA32R-301T

HM: 1,845.2

AIRCRAFT REG: N614DM

AIRCRAFT S/N: 3257434

AIRCRAFT TT: 1,845.2

ENGINE MODEL: TIO-540-AH1A SERIAL: L-12465-61A TSMOH: 178.0

1. Replaced wastegate exhaust pipe with P/N 40B22317 overhauled by FAA Repair Station # Q6SR742J on their work order # 40216 date August 26, 2021.
2. Replaced exhaust tail pipe with P/N 40B22316 overhauled by FAA Repair Station # Q6SR742J on their work order # 40215 dated August 26, 2021.

Signature

Thomas A Schmidt AP3485687IA

Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309

(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

DATE

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TIME

FLIGHT

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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: Sept 1, 2021

MAKE / MODEL: Piper PA32R-301T

HM: 1,845.8

ENGINE MODEL: TIO-540-AH1A, SERIAL: L-12465-61A TT: 1,845.8, TSMOH: 178.6

AIRCRAFT REG: N614DM

AIRCRAFT S/N: 3257434

AIRCRAFT TT: 1,845.8

1. Changed oil and filter, cut open the old filter to inspect it, nothing abnormal found, serviced the engine with Aeroshell 15W50 oil.
2. Checked the cylinder compressions, readings were: #1: 70/80, #2: 74/80, #3: 73/80, #4: 67/80, #5: 70/80, #6: 75/80.
3. Cleaned gapped and tested all spark plugs.
4. Checked the magneto timing, no defects found.
5. Washed the engine and cowls.
6. Replaced the gasket for the wastegate down pipe with new P/N SL75845.
7. Replaced the gasket for the exhaust stack between cylinders #3 & 5, with new P/N 2535-200.
8. AD2015-19-07 checked the fuel injector lines and clamps in accordance with the AD note and Lycoming S/B, no defects found.
9. I certify that this engine has been inspected in accordance with a 100 hour inspection using Appendix D to FAR Part 43 as a guide and was determined to be in airworthy condition.

Signature

Thomas A Schmidt AP34856871A

Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309
(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

YEAR
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DATE: Dec 22, 2021

MAKE / MODEL: Piper PA32R-301T

HM: 1,901.5

AIRCRAFT REG: N614DM

AIRCRAFT S/N: 3257434

AIRCRAFT TT: 1,901.5

ENGINE MODEL: TIO-540-AH1A, SERIAL: L-12465-61A TT: 1,901.5, TSMOH: 234.3

1. Changed oil and filter, cut open the old filter to inspect it, nothing abnormal found, serviced the engine with Aeroshell 15W50 oil.
2. Washed the engine and cowls.

Signature

Thomas A Schmidt AP34856871A

Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309

(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com



DATE: July 18, 2022

MAKE / MODEL: Piper PA32R-301T

HM: 1,952.0

AIRCRAFT REG: N614DM

AIRCRAFT S/N: 3257434

AIRCRAFT TT: 1,952.0

ENGINE MODEL: TIO-540-AH1A, SERIAL: L-12465-61A TT: 1,952.0, TSMOH: 284.8

1. Changed oil and filter, cut open the old filter to inspect it, nothing abnormal found, serviced the engine with Aeroshell 15W50 oil.
2. Washed the engine and cowls.

Signature

Thomas A Schmidt AP34856871A

Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309

(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

13e. Date (mm)

ODA-1000824

1. Mapping Overview

understand that the existence of this installer performs work in accordance with the user/installer's manual that the user/installer can find in Block 1.

understand that the existence of this

installer performs the installation that the user/installer initiated in Block 1.

Stock 13a and 14a
all regulations by 1973
3 (02-14)

AIRCRAFT REG: N614DM
AIRCRAFT S/N: 3257434
AIRCRAFT TT: 2,004.8

AIRCRAFT TT: 2,004.8

ENGINE MODEL: TIO-540-AH1A, SERIAL: L-12465-61A TT: 2,004.8, TSMOH: 337.6

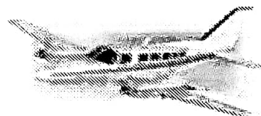
Thomas A Schmidt AP34856871A
Lauderdale, FL 33309

Signature Thomas A. Schmidt Thomas A Schmidt AF 54850
Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309
(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309-5153. Email: Tom@Schmidtav.com

(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

YEAR 20 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)

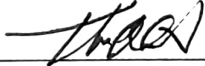


DATE: Nov 1, 2023
MAKE / MODEL: Piper PA32R-301T
HM: 2,024.9

AIRCRAFT REG: N614DM
AIRCRAFT S/N: 3257434
AIRCRAFT TT: 2,024.9

ENGINE MODEL: TIO-540-AH1A, SERIAL: L-12465-61A TT: 2,024.9, TSMOH: 357.7

1. Checked the cylinder compressions, readings were: #1: 79/80, #2: 76/80, #3: 79/80, #4: 80/80, #5: 78/80, #6: 80/80.
2. Changed the oil and filter, cut open the old filter to inspect it, nothing abnormal found, serviced the engine with Aeroshell 15W50 oil.
3. Replaced the valve cover gaskets on cylinders #2 & 3 with new P/N SL67193 gaskets.
4. Inspected the intake and exhaust systems for condition and leaks, no defects found.
5. Inspected the turbo, wastegate and controller for condition, nothing abnormal found.
6. Cleaned gapped and tested all spark plugs.
7. Checked the magneto timing, no defects found.
8. Washed the engine and cowls.
9. AD2015-19-07 checked the fuel injector lines and clamps in accordance with the AD note and Lycoming S/B, no defects found.
10. AD23-09-09 doesn't apply to the riveted clamp installed, no further action required.
11. I certify that this engine has been inspected in accordance with a 100 hour inspection using Appendix D to FAR Part 43 as a guide and was determined to be in airworthy condition.

Signature  Thomas A Schmidt AP3485687IA
Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309
(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

... and Alterations
... (See back pages for other specific entries.)

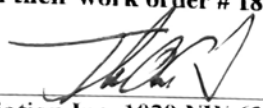


DATE: April 22, 2024
MAKE / MODEL: Piper PA32R-301T
HM: 2,035.5

AIRCRAFT REG: N614DM
AIRCRAFT S/N: 3257434
AIRCRAFT TT: 2,035.5

ENGINE MODEL: TIO-540-AH1A, **SERIAL:** L-12465-61A **TT:** 2,035.5, **TSMOH:** 368.3

1. Installed new spark plugs P/N URHB32E.
2. Installed magneto P/N 6361, S/N 14030978, Factory overhauled by FAA Repair Station # 7W3R732D on their work order # 1815 dated April 19, 2024.
3. Installed magneto P/N 6360, S/N 03041412, Factory overhauled by FAA Repair Station # 7W3R732D on their work order # 1815 dated April 19, 2024.

Signature  **Thomas A Schmidt AP3485687IA**
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YEAR MO 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.)



DATE: Dec 10, 2024

MAKE / MODEL: Piper PA32R-301T

HM: 2,066.0

AIRCRAFT REG: N614DM

AIRCRAFT S/N: 3257434

AIRCRAFT TT: 2,066.0

ENGINE MODEL: TIO-540-AH1A, SERIAL: L-12465-61A TT: 2,066.0, TSMOH: 398.8

1. Checked the cylinder compressions, readings were: #1: 76/80, #2: 76/80, #3: 76/80, #4: 74/80, #5: 76/80, #6: 76/80.
2. Changed the oil and filter, cut open the old filter to inspect it, nothing abnormal found, serviced the engine with Aeroshell 15W50 oil.
3. Replaced all valve cover gaskets on cylinders with new P/N SL67193S gaskets.
4. Inspected the intake and exhaust systems for condition and leaks, no defects found.
5. Inspected the turbo, wastegate and controller for condition, nothing abnormal found.
6. Cleaned gapped and tested all spark plugs.
7. Checked the magneto timing, no defects found.
8. Washed the engine and cowls.
9. I certify that this engine has been inspected in accordance with a 100 hour inspection using Appendix D to FAR Part 43 as a guide and was determined to be in airworthy condition.

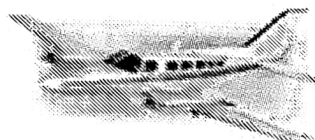
Signature

Thomas A Schmidt AP3485687IA

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(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

YEAR 20 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: Feb 2, 2026

MAKE / MODEL: Piper PA32R-301T

HM: 2,086.6

AIRCRAFT REG: N614DM

AIRCRAFT S/N: 3257434

AIRCRAFT TT: 2,086.6

ENGINE MODEL: TIO-540-AH1A, SERIAL: L-12465-61A TT: 2,086.6, TSMOH: 419.4

1. Checked the cylinder compressions, readings were: #1: 72/80, #2: 72/80, #3: 76/80, #4: 72/80, #5: 76/80, #6: 76/80.
2. Changed the oil and filter, cut open the old filter to inspect it, nothing abnormal found, serviced the engine with Aeroshell 15W50 oil.
3. AD15-19-07 inspected the engine fuel injector lines and clamps as per the AD note, no defects found.
4. Inspected the intake and exhaust systems for condition and leaks, no defects found.
5. Inspected the turbo, wastegate and controller for condition, nothing abnormal found.
6. Cleaned gapped and tested all spark plugs.
7. Checked the magneto timing, no defects found.
8. Washed the engine and cowls.
9. I certify that this engine has been inspected in accordance with a 100 hour inspection using Appendix D to FAR Part 43 as a guide and was determined to be in airworthy condition.

Signature

Thomas A Schmidt AP3485687IA

Schmidt Aviation Inc. 1020 NW 62nd Street, Hangar 6, Ft Lauderdale, FL 33309

(954) 772-0772, FAX (954) 938-5173, Email: Tom@Schmidtav.com

YEAR
20
DATE

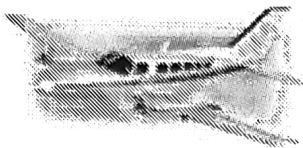
RECORDING
TACH
TIME

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.)



DATE: June 5, 2026

MAKE / MODEL: Piper PA32R-301T

HM: 2,090.1

AIRCRAFT REG: N614DM

AIRCRAFT S/N: 3257434

AIRCRAFT TT: 2,090.1

ENGINE MODEL TIO-540-AH1A, SERIAL; L-12465-61A

1. Replaced cylinder #1 with P/N LW12988 cylinder, S/N 83746/A0460511, repaired by FAA Repair Station # KG4R309M on their work order # 69524-000 dated May 22, 2026.
2. Installed turbo P/N 466011-9002, S/N IHL00068 after overhaul by FAA Repair Station # MAMR190K on their work order # 71246, dated May 22, 2026. Installed the turbo with new hardware and gaskets.
3. Repaired the alternate air door and air box as needed with new rivets and hardware.
4. Ground ran the engine and checked it's operation, found all OK.
5. Checked the compression on cylinder #1 after the engine run up, reading was 70/80.

Signature

Thomas A Schmidt AP3485687IA

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