

ERA25FA201

MAINTENANCE RECORD EXCERPTS

N30689

ENGINE LOG



2025/07/21 10:42

FORM 216 (REV. 5/99)

IMPORTANT

Before installing this new replacement engine, all aircraft oil system components, oil coolers, lines and supply tanks, where used, must be thoroughly cleaned for contamination. Textron Lycoming will not be held responsible for contamination to this newly installed engine.

Service Department

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.

FINAL ENGINE ACCEPTANCE

Eng. Serial No. L-21032-48 A

Inspector 71

Date 10-5-01

2025/07/21 10:42

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.

TLRED-489
(Rev. 10-96)

This engine has been overhauled/rebuilt in accordance with the applicable Textron Lycoming manuals. All applicable Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: IO-540-K1G5
Serial #: L-21032-48A
Total Time: 2053.4
Work Order #: GJ165698
Date Completed:

10/8/01

Authorized Signature
Textron Lycoming
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

9/1/01
CRANKSHAFT

6216384 Per Lycoming (CRANKSHAFT)

2025/07/21 10:43

and Remarks	Signature	Certificate No.
Tach 3369.15 6-3-2023 TSMOH: 1481.2 Filter: AA 48110-2 Remove & replace filter and replaced 16qt AeroShell 120 plus	[REDACTED]	
09/16/2023		
FERNANDINA BEACH AIRCRAFT MAINTENANCE [REDACTED] FERNANDINA BEACH FL 32034		
N30689 LYCOMING IO-540-K1G5 S/N: L-21032-48A TACH: 3377.45 ETT: 3424.09 TSMOH: 1370.67		
PERFORMED AN ANNUAL INSPECTION PER FERNANDINA BEACH AIRCRAFT INSPECTION SHEET. COMP CHECK #1-76 #2-70 #3 -74 #4-68 #5-76 #6- 76. C/W AD 15-19-07 ENGINE FUEL LINES BY INSPECTION. NEXT DUE 3477.45. REPLACED TWO MUFFLERS P/N 67517-00 FROM PLANEXHAUST THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INPSECTION AND HAS BEEN FOUND AIRWORTHY. THE END.		
WO 1181 SHERMAN R KELLER [REDACTED] HA [REDACTED]		

2025/07/21 10:47

ENGINE LOG

Date	Engine Time	Recorder	Maintenance	and P
	Tach: 3441.04 TSMOH: 1434.26 ETT: 3487.68	Direct Flight Solutions [REDACTED] Lebanon TN, 37087	N30689	
Annual inspection completed IAW 14 CFR Part 43 App D. Compression checks: #1-77, #2-68, #3-76, #4-76, #5-74, #6-77 all taken hot at 80psi. Replaced all spark plugs with new UREM38E spark plugs. ADs checked thru biweekly 2024-20. AD 23-09-09 v-band clamps N/A not installed. AD 15-19-07 External fuel injector lines completed by inspection, next due 3551.04. AD 99-04-04 Magneto impulse coupling next due tach: 3561.15. AD 09-02-03 fuel injector servo plug inspection completed, plug tight, next due at tach: 3491.04. Removed and replaced oil and oil filter, serviced with 12 qts of Aeroshell 100W Plus and oil filter AA48110-2. Old oil filter opened and element inspected for metal particles, no metal noted. Oil screen checked for metal particles, none noted. Timed left magneto to engine. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.				
	Gene T. Gracyalny AP	[REDACTED] 8IA	10/10/2024	Date
al To erry Forward	[REDACTED]			

2025/07/21 10:47



Aircraft Record General Information

N30689

Manufacturer Piper Model PA-32 RT-300
Serial 32R-7885282 Registration Number N30689
Date of Manufacture 1978

Engine(s) currently installed:

Manufacturer Textron-Lycoming Model IO-540-K1G5 Serial L21032-40A
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer Hartzell Model HC-C3YR-TRF/F7693F
Manufacturer _____ Model _____ Serial _____

HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

2025/07/21 10:48

Registration No. _____

WO: WO_KFHB-N30689-399

Avionics - page 1 of 1



Advanced Aerotechnologies Group [REDACTED] Fernandina Beach, FL 32034 [REDACTED]

N30689
TACH: 3365.35

PIPER, PA-32RT-300, S/N: 32R-7885282

April 27, 2023

Verified Storm Scope Indicator In-Op. Verified no Faults at WX-1000 Processor. Verified Power and Power Grounds present at Storm Scope Display Connector. Removed Storm Scope Wx-1000 Display P/N 78-8060-5900-8 S/N FSD06200492 , Installed Serviceable WX-1000 Display P/N 78-8060-5900-8 S/N JSD09804273 and powered up Storm Scope WX-1000 System and Storm Scope Display Powered up and Ground System Test, Satisfactory. Removed P/N 78-8060-5900-8 - WX-1000 Display S/N: FSD06200492, Installed P/N 78-8060-5900-8 - WX-1000 Display (SERVICEABLE) S/N: JSD09804273.

With respect to the work performed, this avionics is approved for return to service. Details of work performed are on file with Advanced Aerotechnologies Group under work order: WO_KFHB-N30689-399.

Hunter Findley A&P/IA [REDACTED] [REDACTED]

2025/07/21 10:49

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Modifications 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
			FERNANDINA BEACH AIRCRAFT MAINTENANCE FERNANDINA BEACH FL 32034 N30689 PIPER PA-32RT-300 S/N 32R-7885282 TACH: 3377.45 TT:3377.45 PERFORMED AN ANNUAL INSPECTION PER FERNANDINA BEACH AIRCRAFT MAINTENANCE INSPECTION SHEET. C/W AD 78-23-01 FUEL DRAIN DOOR BY INSPECTION. NEXT DUE 3477.5 OR 9/2024. C/W AD 76-07-12R1 IGNITION SWITCH BY OPERATIONAL CHECK. NEXT DUE 3477.45. C/W AD 09-02-03 INJECTOR PLUG BY INSPECTION. NEXT DUE 3427.45. SEE AD LIST FOR UPCOMING RECURRING ADS. CHECK ADS TROUGH 23-18. TESTED AND INSPECTED ELT PER 91.207D. REPLACED ELT BATTERY 1ea BP-1030. REPLACE DATE JULY 2025. REPLACED VACUUM FILTER 1ea AAD9-18-1. INSTALLED NEW AIR FILTER 1ea BA-3. REPLACED AUTO GEAR EXTENDER HOFF VALE O RINGS. REPLACED ALL BRAKE SYSTEM AND GEAR HYD HOSES. SEE PHT INV 625017 FOR P/N AND LOCATION. REPLACED RIGHT MAIN TIRE FLIGHT CUSTOM III 600X6 8PLY TIRE AND TUBE. THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY. THE END. WO 1181 SHERMAN R KELLER	09/16/2023

2025/07/21 10:48

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific)
Transponder Certification Merlin's Avionics Service Tel: [REDACTED] [REDACTED] Gallatin, Tennessee 37066 FAA CRS #Z6MR586Y MAS Form #3				
Work Order No. <u>1623</u> Acft.Reg.No. <u>N 30689</u> Aircraft Type <u>LANCIE II</u> Txpond Position <u>#1</u> Txpond P/N# <u>TDR950</u> S/N# <u>8650</u>				
Check Box if Mode S () I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Details of this inspection are on file at this repair station. Date <u>10-10-24</u> Signed <u>[REDACTED]</u>				

2025/07/21 10:48

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspection, Test, Repair and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)																																																																																																																																		
ACFT SN# 32R-7885282				TACH 3441.25																																																																																																																																		
Merlin's Avionics Service Tel: [REDACTED] Gallatin, Tennessee 37066 FAACRS #Z6MR586Y MAS Form #4				Work Order No. <u>1623</u> Acft.Reg.No. <u>N30689</u> Acft Type <u>LANCE II</u> Altimeter Position <u>#1</u> Altimeter P/N# <u>5934PD-1</u> S/N# <u>V6505</u> Date <u>10-10-24</u> Signed [REDACTED]																																																																																																																																		
<table border="1"> <thead> <tr> <th>Altitude</th> <th>Reading</th> <th>Tol</th> <th>Altitude</th> <th>Reading</th> <th>Tol</th> <th>Friction</th> <th>Tol</th> <th>Press</th> <th>Diff.(Tol. 25 Ft.)</th> </tr> </thead> <tbody> <tr> <td>-1000</td> <td>-1000</td> <td>20</td> <td>14,000</td> <td>13980</td> <td>100</td> <td>1K</td> <td>+20</td> <td>70</td> <td>28.10 -1727 -1727</td> </tr> <tr> <td>0</td> <td>0</td> <td>20</td> <td>16,000</td> <td>15985</td> <td>110</td> <td>2K</td> <td>+20</td> <td>70</td> <td>28.50 -1340 -1340</td> </tr> <tr> <td>500</td> <td>500</td> <td>20</td> <td>18,000</td> <td>17975</td> <td>120</td> <td>3K</td> <td>+15</td> <td>70</td> <td>29.00 -863 -863</td> </tr> <tr> <td>1000</td> <td>1000</td> <td>20</td> <td>20,000</td> <td>19970</td> <td>130</td> <td>5K</td> <td>+15</td> <td>70</td> <td>29.50 -392 -392</td> </tr> <tr> <td>1500</td> <td>1500</td> <td>25</td> <td>22,000</td> <td>/</td> <td>140</td> <td>10K</td> <td>+20</td> <td>80</td> <td>29.92 0 0</td> </tr> <tr> <td>2000</td> <td>2000</td> <td>30</td> <td>25,000</td> <td>/</td> <td>155</td> <td>15K</td> <td>+20</td> <td>90</td> <td>30.50 531 531</td> </tr> <tr> <td>3000</td> <td>3000</td> <td>30</td> <td>30,000</td> <td>/</td> <td>180</td> <td>20K</td> <td>+15</td> <td>100</td> <td>30.90 893 893</td> </tr> <tr> <td>4000</td> <td>4000</td> <td>35</td> <td>35,000</td> <td>/</td> <td>205</td> <td>25K</td> <td>/</td> <td>120</td> <td>30.99 974 974</td> </tr> <tr> <td>6000</td> <td>5990</td> <td>40</td> <td>40,000</td> <td>/</td> <td>230</td> <td>30K</td> <td>/</td> <td>140</td> <td></td> </tr> <tr> <td>8000</td> <td>7990</td> <td>60</td> <td>45,000</td> <td>/</td> <td>255</td> <td>35K</td> <td>/</td> <td>160</td> <td></td> </tr> <tr> <td>10,000</td> <td>9980</td> <td>80</td> <td>50,000</td> <td>/</td> <td>280</td> <td>40K</td> <td>/</td> <td>180</td> <td></td> </tr> <tr> <td>12,000</td> <td>11985</td> <td>90</td> <td></td> <td></td> <td></td> <td>50K</td> <td>/</td> <td>250</td> <td></td> </tr> </tbody> </table>					Altitude	Reading	Tol	Altitude	Reading	Tol	Friction	Tol	Press	Diff.(Tol. 25 Ft.)	-1000	-1000	20	14,000	13980	100	1K	+20	70	28.10 -1727 -1727	0	0	20	16,000	15985	110	2K	+20	70	28.50 -1340 -1340	500	500	20	18,000	17975	120	3K	+15	70	29.00 -863 -863	1000	1000	20	20,000	19970	130	5K	+15	70	29.50 -392 -392	1500	1500	25	22,000	/	140	10K	+20	80	29.92 0 0	2000	2000	30	25,000	/	155	15K	+20	90	30.50 531 531	3000	3000	30	30,000	/	180	20K	+15	100	30.90 893 893	4000	4000	35	35,000	/	205	25K	/	120	30.99 974 974	6000	5990	40	40,000	/	230	30K	/	140		8000	7990	60	45,000	/	255	35K	/	160		10,000	9980	80	50,000	/	280	40K	/	180		12,000	11985	90				50K	/	250	
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This Altimeter / Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.																																																																																																																																						
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After Effect (Tol. 30 Ft.) <u>+10</u>																																																																																																																																						

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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.)
	Tach: 3441.04 AFTT: 3441.04	Direct Flight Solutions [REDACTED] Lebanon TN, 37087	N30689	Annual inspection completed using checklist as guide and IAW 14 CFR Part 43 App D. Charged battery, repacked all wheel bearings, lubed aircraft, cleaned fuel screen. ELT battery due July 2025. ELT check satisfactory in accordance with FAR 91.207(d). Replaced induction filter PN BA3. Landing gear operational check satisfactory in normal and emergency. ADs checked thru biweekly 2024-20. AD 24-14-03 N/A no Garmin Auto pilot installed at this time. AD 20-26-16 Main wing spar, reviewed logbooks, no wing spars replaced and no missing logbooks, AD not due until 5000 hours TIS. AD 78-23-01 Fuel door assy completed by operational check, next due tach: 3541.04. AD 76-07-12 Bendix switch check completed by functional check, next due 3541.04. AD 13-02-13 horizontal stab cables inspection next due June 2027 or tach: 5143.6 whichever comes first. Added washers to right aileron control rod rodend bolt at aileron. Swapped #2 and #1 CHT probes for troubleshooting. Notified owner that Altimeter and transponder 2 year certs are due. Ground run, leak and operational checks satisfactory. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. [REDACTED] 10/10/2024 Gene T. Gracyalny AF [REDACTED] IA DATE

2025/07/21 10:48

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL HC-C3VR-1RF/F7693F

PROPELLER S/N PA59B

LOGBOOK # _____

2025/07/21 10:38

Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, inspections.
TSN	TSO		
			Tach: 3311.15 Direct Flight Solutions N30689 PTT: 790.90 Lebanon TN, 37087 Annual inspection completed IAW FAR 43 App D. AD's checked thru biweekly 2022-18. I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Gene T. Gracyalny AP 08/25/2022 DATE
			FERNANDINA BEACH AIRCRAFT MAINTENANCE 09/16/2023 FERNANDINA BEACH FL 32034 N30689 HARTZELL HC-C3YR-TRF/F7693F S/N PA59B TACH: 3377.45 PTT: 857.2 PERFORMED A 100hr INSPECTION AND FOUND THE PROP TO BE AIRWORTHY. THE END WO 1181 SHERMAN R KELLER A&P 2025/07/21 10:38

Tach: 3441.04

Direct Flight Solutions

N30689

PTT: 920.79

Lebanon TN, 37087

Annual inspection completed IAW 14 CFR Part 43 App D. ADs checked thru biweekly 2024-20 I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Gene T. Gracyalny AF [REDACTED] IA

10/10/2024

DATE

2025/07/21 10:38