

N22CK  
LOGBOOK #2



*The Standard*

**ENGINE LOG**

ASA-55-1

## Engine Record General Information

Manufacturer TEXTRON LYCOMING Model 10-540-K1G50

Serial RL-21329-48A Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft: \_\_\_\_\_

Minimum Octane Fuel \_\_\_\_\_ Oil Grade: Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer's Recommended Overhaul at \_\_\_\_\_ hours

LOGBOOK #2

LAST ENTRY LOGBOOK #1, 8/5/20, TACH 4438.3, TSMOH 892.3

YEAR 2020 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.)
11/18/20	4462.50	TSMOH	916.5	DRAINED OIL, SAMPLED, REMOVED OIL FILTER, CUT OPEN AND INSPECTED, NO ABNORMALITIES FOUND, INSTALLED NEW FILTER (TEMPERST AA48103), SERVICED ENGINE WITH 11 QTS OF PHILIPS XC-20/50. MARK A. SCOTCH, LIC# 4040835, TMAH
5/21/21	4504	TSMOH	958	DRAINED OIL, REMOVED OIL FILTER, CUT OPEN & INSPECTED, NO ABNORMALITIES FOUND, INSTALLED NEW FILTER, SERVICED 11 QTS PHILIPS XC/20/50. MARK A. SCOTCH, LIC# 4040835, TMAH

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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Shields Aviation LLC  
6775 Beck Chappell Dr.  
North Dinwiddie Virginia 23803  
C-(804)-690-8895 S-(804)-805-2694

Make: Piper  
Model: PA-32R-301  
Tail: N22CK  
S/N: 32R-8213048

Hours: Tach: 4531.7 ATT: 4531.7 ETT: 985.7 PTT: 985.7

(OVERHAUL) COMPRESSIONS 1/74, 2/73, 3/79, 4/79, 5/77, 6/76  
I certify that this ENGINE has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition. Drained oil and removed oil filter (no contaminants found). Serviced engine with 10qts Aeroshell 15w50 and installed new oil filter. Repaired wire in bundle at Left engine side. Inspected CHT and found bad connections at probe, cleaned and reinstalled probe. Tested with heat, all operations check ok at this time. Removed spark plugs, cleaned, inspected, gapped and reinstalled using new gaskets and anti seize. Removed Bendix magneto and sent out for 500hr mag inspection. Installed Overhauled magneto after receiving from QAA. Installed using contact lube and cleaning all wire lead ends. Mag drop L-75/R-75 no roughness.

Signed:   
Name: Frank Isbell

Cert: AP2766916IA  
Date: 11/02/2021

YEAR 2022 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.)
4/20/22	4552	1MCOH	1006	DRAINED OIL, REMOVED FILTER, INSTALLED NEW FILTER & 11 QTS PHILIPS XC-20/50 MANE A. SCOTT, LIC# 4040835, NASH



Shields Aviation LLC  
6775 Beck Chappell Dr.  
North Dinwiddie Virginia 23803  
C-(804)-690-8895 S-(804)-805-2694

Make: Lycoming  
Model: IO-540-K1G5D  
Tail: N22CK  
S/N: RL-27329-48A

Hours: AC: 4567.2 TT: 4567.2 EngTT: 1021.2 PropTT: 1021.2

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Removed all spark plugs, cleaned, gapped, inspected, reinstalled using new gaskets and antisieze. Compressions checked at 80psi 1-78, 2-76, 3-76, 4-78, 5-76, 6-74, mag drop 75/75. Removed broken baffle rod at lower right of cylinders and installed (customer provided) new rod and secured with new hardware.

Signed:   
Name: Jason Shields

Cert: AP4022985IA  
Date: 12/08/2022

YEAR 2023 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.)
4/8/23	4574	1SMOH	1028	DRAINED OIL, REMOVED FILTER, INSTALLED NEW FILTER & 10 QTS PHILIPS XC-20/50 MANE A. SCOTT LIC# 4040835, NASH



Shields Aviation LLC  
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North Dinwiddie Virginia 23803  
C-(804)-690-8895

Make: Lycoming  
Model: IO-540-K1G5D  
Tail: N22CK  
S/N: RL-27329-48A

Hours: AC: 4612.6 TT: 4612.6 EngTT: 1066.6 PropTT: 1066.6

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Compressions checked at 80psi 1-80, 2-78, 3-78, 4-79, 5-79, 6-78, mag drop 75/75. Removed and replaced alternator noise filter. Removed and replaced manifold pressure hose at firewall. Removed and replaced cabin heat scat hose. Removed and replaced rocker cover gaskets on (R) side of engine. CW AD15-19-07 by visual inspection of fuel injecting lines for cracking, proper routing and security, (no defects noted at this time).

Signed:   
Name: Jason Shields

Cert: AP4022985IA  
Date: 03/20/2024

YEAR 2024 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.)
1/11/24	4612	TSMT	1066	DRAINED OIL, REMOVED FILTER, INSTALLED NEW FILTER & IN OTC Dinwiddie Va. John Mark A. Scott



Shields Aviation LLC  
6775 Beck Chappell Dr.  
North Dinwiddie, Virginia 23803  
USA

Make: Lycoming  
Model: IO-540-K1G5D  
Tail: N22CK  
S/N: RL-37329-48A

Hours: TTAF: 4623.9 Tach: 4623.9 TTE: 1077.9 TTP: 1077.9

I certify that this ENGINE has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition. Drained oil and replaced oil filter, (no contaminants found). Serviced engine with 9qts Aeroshell 15W50. Removed all spark plugs, cleaned, gapped, inspected, installed using new gaskets and antiseize. Compressions checked at 80psi 1-72, 2-72, 3-72, 4-72, 5-78, 6-72. Cleaned fuel screen.  
AD 2015-19-07 CW by visual inspection per AD (no defects noted at this time).

Signed:

Name:

Jason Shields

Cert:

Date:

AP4022985IA

04/14/2025