

Eng log #2  
N3574X



*The Standard*

# ENGINE LOG

N3574X

Engine Logbook #2

8

**LAC**  
HOLMAN  
AVIATION

**ASA-SE-1**

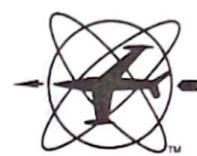
LDC: 1967 P/N: 10-32380

RSA ENGINE LDC SFTC19



153780628 PO: 323123 LOT: 10-18421

BK \_\_\_\_\_



*The Standard*  
**ENGINE LOG**

*ASA-SE-1*

*The Standard Engine Log*  
*SE-1*

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**ASA-SE-1**

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**Engine Record** General Information

Manufacturer Lycoming. Model O-540-J3A5D

Serial L 2203-40A Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft: N3574X

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

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

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

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

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## Registered Owner Record

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_



PO Box 2228  
1940 Airport Court  
Great Falls, MT 59403

Ph 406-453-7613  
Fx 406-453-7204

**Notes**

Tail Number: N3574X      Hobbs/Tach: 3185.8      Total Time: 3185.8

A/C Make: Piper      A/C Model: PA-28-236      Work Order: 82428

Drained oil, removed oil filter, cut open and inspected, no defects noted at this time, installed new filter, torqued and saftied, service with 9 quarts of AeroShell 100 Plus, 2 quarts in back of aircraft per customer request. Oil sample taken and mailed. Ran aircraft, no Leaks detected at this time.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CRS# HOQR040K

Date: 8-Jul-2020

YEAR  
20\_\_\_\_  
DATE

RECORDING  
TACH  
TIME



1940 Airport Court  
Great Falls, MT 59404

Ph 406-453-7613  
Fx 406-453-7204

Technician or

Tail Number: N3574X

Hobbs/Tach: 3226.55

A/C Make: Piper

A/C Model: PA-28-236

Work Order: 82491

Drained oil, removed filter, cut open and inspected filter no debris found, Installed new filter, serviced engine with 10qts of Aeroshell 100 plus. Ran aircraft, no leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CRS# HOQR040K

Date: 2-Sep-2020



YEAR  
20\_\_\_\_  
DATE

RECF  
TACI  
TIME



1940 Airport Court  
Great Falls, MT 59404

Ph 406-453-7613  
Fx 406-453-7204

of Technician or

Tail Number: N3574X      Hobbs/Tach: 3277.63  
A/C Make: Piper      A/C Model: Pa-28-236      Work Order: 82714

Drained oil, serviced engine with 10qts of ASW80 plus, replaced oil filter with CH48103-1, cut open old oil filter, no debris found. Test ran A/C, no defects noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CRS# HOQR040K

Date: 12-Nov-2020

YEAR 20____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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**EDWARDS**  


*James Baber*

YEAR  
20\_\_\_\_  
DATE

RECORDING  
TACH  
TIME



1940 Airport Ct Ph 406-453-7613  
Great Falls, MT 59404

\_\_\_\_\_  
nician or

Tail Number: N3574X ~~Hobbs~~ <sup>Tach</sup>: 3350.81 Total Time: N/A  
A/C Make: Piper A/C Model: PA-28-236 Work Order: 83349

Drained oil, serviced with 10 qts of Aeroshell W100+. Removed oil filter and inspected, no debris found. Installed new CH48103-1 oil filter. Ran engine, no leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CSR# HOQR040K

Date: 12-Aug-2021

YEAR 20____ DATE	RECORDING TACH TIME	TO FL		1940 Airport Ct Great Falls, MT 59404	Ph 406-453-7613	in or
				Tail Number: N3574X	Tach: 3362.42	Total Time:
				A/C Make: Piper	A/C Model: PA-28-236	Work Order: 83386
				Removed spark plugs, Installed 12 new Champion RHM-40E spark plugs and torqued to 30 ftlbs.		
				I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.		
				Signed: 		
				CSR# HOQR040K	Date: 25-AUG-2021	

YEAR  
20\_\_\_\_  
DATE

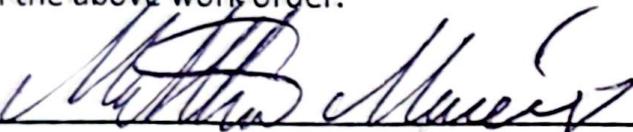


1940 Airport Ct Ph 406-453-7613  
Great Falls, MT 59404

Tail Number: N3574X Tach: 3388.06 Total Time: N/A  
A/C Make: Piper A/C Model: PA-28-236 Work Order: 83453

Drained oil, serviced with 10 qts of Aeroshell W100. Removed oil filter and inspected, no debris found. Installed new CH48103-1 oil filter. Ran engine, no leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: 

CSR# HOQR040K

Date: 21-Sep-2021

ations  
Number of Technician or

YEAR  
20\_\_\_\_  
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1940 Airport Ct  
Great Falls, MT 59404

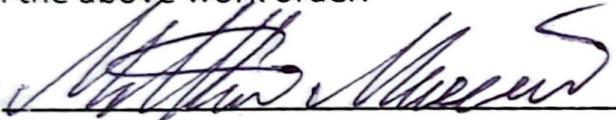
Ph 406-453-7613

Technician or

Tail Number: N3574X      Tach: 3424.83      Total Time: N/A  
A/C Make: Piper      A/C Model: PA-28-236      Work Order: 83592

Ran engine, drained oil, removed filter, cut open and inspected-no debris found, installed new CH48103-1 filter, serviced engine with 10qts of ASW80.  
Ran engine, no leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: 

CSR# HOQR040K

Date: 24-NOV-2021

YEAR  
20\_\_\_\_  
DATE

RECORI  
TACH  
TIME



1940 Airport Ct  
Great Falls, MT 59404

Ph 406-453-7613

*19 obj bc  
tach = 3231.6*

Technician or

Tail Number: N3574X      Tach: 3426.64      Total Time: N/A  
A/C Make: Piper      A/C Model: PA-28-236      Work Order: 83604

Ran engine, drained oil, and serviced engine with 9qts of ASW80+. Ran engine, no leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: *[Signature]*

CSR# HOQR040K

Date: 02-DEC-2021

YEAR  
20  
DATE



1940 Airport Ct Ph 406-453-7613  
Great Falls, MT 59404

Tach = 3453.1

Tail Number: N3574X HOBBS: 3268.1 Total Time: ~~3268.1~~  
A/C Make: PIPER A/C Model: PA 28-236 Work Order: 83386

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3268.1 TSO: 1211.1

Inspections: This Engine was inspected in accordance with a 100-Hour Inspection using an approved checklist for 100-hour / Annual inspection.

All AD'S checked: Up to date

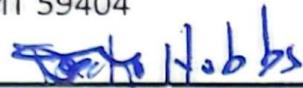
All routine maintenance completed: Compression test on cylinders cold, #1 72/80 #2 76/80 #3 70/80 #4 68/80 #5 70/80 #6 72/80. Removed, inspected, cleaned, gapped, rotated, and installed spark plugs. Drained oil, removed oil filter, removed suction screen, inspected for contamination, none found. Installed new oil filter and serviced engine with 12 of Aeroshell ASE W100+. Checked Magneto timed.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: [Signature]  
CSR# HOQR040K

Date: 03MAY2022

ations  
mber of Technician or

YEAR 20____ DATE	RECORDING TACH TIME		1940 Airport Ct Great Falls, MT 59404	Ph 406-453-7613	Technician or
					
<hr/>					
Tail Number: N3574X      HOBBS: 3324.4      Total Time: 3324.4 A/C Make: PIPER      A/C Model: PA 28-236      Work Order: 83386					
<hr/>					
0-540-J3A5D Lycoming Engine S/N L-22003-40A    TT:3324.4 TSO: 1267.4 <b>All routine maintenance completed:</b> Drained engine oil, and serviced engine with 10qts of Aeroshell 100+. Removed AA48103-2 filter, cut open, Inspected for contamination, none noted. Installed New AA48103-2 filter and safety. Run up Engine and inspected for oil leaks. No leaks noted.					
					
<hr/>					
I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.					
Signed: 					
CSR# HOQR040K			Date: 15JUL2022		

YEAR  
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1940 Airport Ct Ph 406-453-7613  
Great Falls, MT 59404

ns  
er of Technician or

Tail Number: N3574X TACH: 3575.54 Total Time: 3575.54  
A/C Make: PIPER A/C Model: PA 28-236 Work Order: 84895

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3575.54 TSO: 1518.54

Inspections: This Engine was inspected in accordance with a 100-Hour Inspection using an approved checklist for 100-hour / Annual inspection.

All AD'S checked: Up to date

All routine maintenance completed: Compression test on cylinders cold, #1 79/80 #2 79/80 #3 79/80 #4 78/80 #5 79/80 #6 78/80. Removed, inspected, cleaned, gapped, rotated, and installed spark plugs. Drained oil, removed oil filter, removed suction screen, inspected for contamination, none found. Installed new oil filter and serviced engine with 9 qts. of Aeroshell ASE W100+. Checked Magneto timed.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: \_\_\_\_\_

  
CSR# HOQR040K

Date: 26MAY2023

YEAR  
20\_\_\_\_  
DATE

RECC  
TACT  
TIME



1940 Airport Ct Ph: 406-453-7613  
Great Falls, MT 59404

of Technician or

Tail Number: N3574X HOBBS: 3605.30 Total Time: 3605.30  
A/C Make: PIPER A/C Model: PA 28-236 Work Order: 85150

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3605.3 TSO: 1548.21  
All routine maintenance completed: Drained engine oil, and serviced engine with 10qts of Aeroshell 100+. Removed AA48103-2 filter, cut open, Inspected for contamination, none noted. Installed New AA48103-2 filter and safety. Run up Engine and inspected for oil leaks. No leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:   
CSB#: HOQP040K Date: 03AUG2023

YEAR  
20\_\_\_\_  
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1940 Airport Ct Ph 406-453-7613  
Great Falls, MT 59404

S  
r of Technician or

Tail Number: N3574X TACH: 3675.56 Total Time: 3675.56  
A/C Make: PIPER A/C Model: PA 28-236 Work Order: 85950

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3675.56 TSO: 1618.74

Inspections: This Engine was inspected in accordance with a 100-Hour Inspection using an approved checklist for 100-hour / Annual inspection.

All AD'S checked: Up to date

All routine maintenance completed: Compression test on cylinders cold, #1 78/80 #2 78/80 #3 76/80 #4 79/80 #5 78/80 #6 74/80. Removed, inspected, cleaned, gapped, rotated, and installed spark plugs. Drained oil, removed oil filter, removed suction screen, inspected for contamination, none found. Installed new oil filter and serviced engine with 9 qts. of Aeroshell ASE W100+. Removed Magneto and replaced one side of points PN:10-382585. Installed timed magneto to Eng. operational check is in limits and no leaks.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:   
CRS# HOQR040K

Date: 17MAY2024

YEAR 20____ DATE	RECORD# TACH TIME		1940 Airport Ct Great Falls, MT 59404	Ph: 406-453-7613	Technician or	
			Tail Number: N3574X      HOBBS: 3,703.11      Total Time: 3,703.11 A/C Make: PIPER      A/C Model: PA 28-236      Work Order: 86171			
			0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3,703.11 TSO: 1,646.01 <u>All routine maintenance completed:</u> Drained engine oil and took oil sample, serviced engine with 10qts of Aeroshell 100+. Removed AA48103-2 filter, cut open, inspected for contamination, none noted. Installed new AA48103-2 filter and safety. Run up engine and inspected for oil leaks. No leaks noted.			
			I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.			
			Signed: <u>Thomas C Smith</u>			
			CSR# HOQR040K	Date: 13AUG2024		

YE  
20  
DA



1940 Airport Ct  
Great Falls, MT 59404

Ph: 406-453-7613

Tail Number: N3574X	HOBBS: 3,724.65	Total Time: 3,724.65
A/C Make: PIPER	A/C Model: PA 28-236	Work Order: 86418

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3,724.65 TSO: 1,667.55

**All routine maintenance completed:** Drained engine oil and took oil sample, serviced engine with 9 qts of Aeroshell 80+. Removed AA48103-2 filter, cut open, inspected for contamination, none noted. Installed new CH48103-1 filter and safety. Run up engine and inspected for oil leaks. No leaks noted.

**Work Completed:** Removed #1 Cylinder spark plugs, cleaned, inspected and rotated with Cylinder #3 spark plugs. Replaced #1 Cylinder intake line gasket with a new gasket (P/n 71973). Ran up engine with no defects noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CSR# HOOR040K

Date: 15NOV2024

**Iterations**

ate Number of Technician or  
)

Date: 05/13/2025 Hours: 3746.9 Tach

Tail#: N3574X

Make: Piper

Model: PA-28-236

S/N: 28-8011060

**and Alterations**

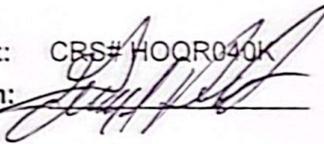
(Certificate Number of Technician or entries.)

100/Hr Inspection completed IAW AMM and CRS approved inspection form including but not limited to the following items: Inspected the propeller, prop backing plate, spinner, engine mounting security, cylinder compression, #1 75/80, #2 76/80, #3 74/80, #4 77/80, #5 77/80, #6 75/80; drained oil, installed new CH48103-2 filter, safetied filter, serviced with Aeroshell W100+, inspected all engine wiring, fuel system components, ignition system components including ignition leads and spark plugs, replaced all 12 spark plugs RHM40E, checked mag timing to engine settings, cleaned and or tested fuel injectors if applicable, drained carburetor system, inspected and adjusted belt tensions, For complete details of the work performed see WO# 86891. I certify this engine has been inspected IAW an 100/Hr inspection and was determined to be in airworthy condition.  
AD2005-12-06 due at Tach 3805.2



Gregory Postell  
Holman Aviation

Cert: CRS# HQQR040K

Sign: 

Date: 09/26/2025 Hours: TTE: 3,784.73

Tail#: N3574X

Make: Lycoming

Model: O-540

Drained engine oil and removed existing filter contamination, none noted. Installed new filter Aeroshell W80 plus engine oil. Conducted ground leakage, none noted. Next due at 3,834.73.



Lily Ericsson  
Holman Aviation

Date: 09/26/2025 Hours: TTE: 3,784.73 Tach: 3,784.73 TSMOH: 1,727.63

Tail#: N3574X

Make: Lycoming

Model: O-540-J3A5D

S/N: L-22003-40A

Drained engine oil and removed existing filter, inspected filter element for contamination, none noted. Installed new filter and safetied. Installed 9 quarts Aeroshell W80 plus engine oil. Conducted ground run of engine and inspected for oil leakage, none noted. Next due at 3,834.73.



Lily Ericsson

Holman Aviation

Cert: CRS HOQR040K

Sign:

A handwritten signature in black ink that reads 'Lily A. Ericsson'.

**s and Alterations**

Certificate Number of Technician or entries.)

A series of horizontal lines for recording certificate numbers or technician entries.

