

Engine Maintenance Records

Log Number: _____

Aircraft Registration Number: _____

Engine Manufacturer: Lycoming

Model: IO-540-K1B5D

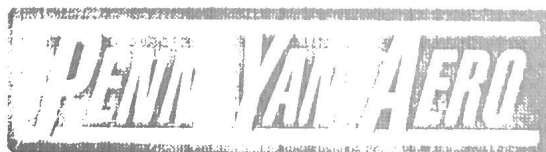
Serial Number: L-16989-48A

Date Installed on Aircraft: _____

Time Between Overhauls: 2000 hours

Engine Position: _____

The Power of Experience



Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 U.S.A.

315-536-2333

FAA Repair Station: Y2GR396Y
www.PennYanAero.com

This is to certify that the engine described hereafter has been overhauled by Penn Yan Aero to new parts tolerances and limits as specified by the manufacturer. Engine disassembled, cleaned, inspected, repaired, reassembled, and tested in accordance with data approved by and or acceptable to the FAA. All applicable Airworthiness Directives are in compliance. See A.D. list supplied.

This engine has been dynamic balanced in accordance with FAA Approved Process Specification AMP-4302.

Installed overhauled Lycoming cylinders at this time. Re-installed customers magneto P/N: 10-682560-13, S/N: E11DA104R with 35 hours since overhaul.



Authorized Signature

Our WO#
50309-19

Engine Model
IO-540-K1G5D

Dated
4/17/2019

Serial Number
L-16989-48A

**This engine has been overhauled to Zero Time Tolerances by
Penn Yan Aero**

Previous Time in Service
6315.5

PENN YAN AERO

Penn Yan Aero

2499 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyan aero.com

FAA Approved Repair Station: Y2GR396Y

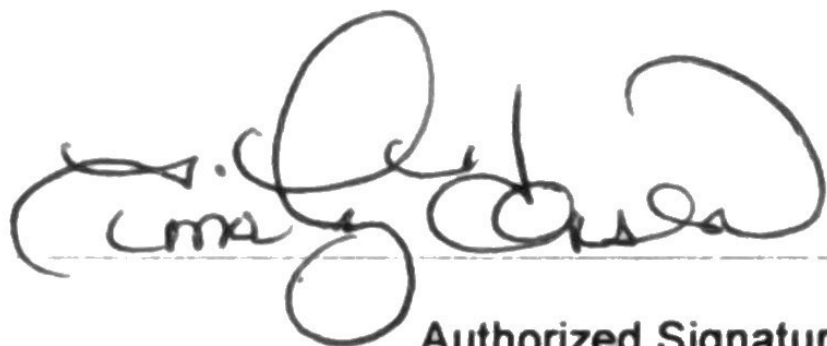
The accessories listed are either new or were overhauled (as indicated) and supplied with this engine:

Engine Model
IO-540-K1G5D

Serial Number
L-16989-48A

Our WO#
50309-19

Invoice Date
4/17/2019



Authorized Signature



Penn Yan Aero

2499 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyanero.com

FAA Approved Repair Station: Y2GR396Y

Right Magneto - Part#
Not supplied

Right Magneto - SN#
N/A

Left Magneto - Part#
N/A

Left Magneto - SN#
N/A

Injector/Carb - Part#
2524273-12

Injector/Carb - SN#
72147

Fuel Pump - Part#
LW-15473

Fuel Pump - SN#
045C07

Starter - Part#
149-NL (New)

Starter - SN#
H-S103187

Turbo - Part#
N/A

Turbo - SN#
N/A

Controller - 1 - Part#
N/A

Controller - 1 - SN#
N/A

Controller - 2 - Part#
N/A

Controller - 2 - SN#
N/A

Wastegate - Part#
N/A

Wastegate - SN#
N/A

[illegible]

[illegible]

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Aero Design Aircraft Services - 14135687300

N17AR

LYCOMING, TIO-540-K1G5D, S/N: L-16989-48A

July 25, 2023

TACH: 3732.75HRS, SMOH: 60.75HRS, CHECKED COMPRESSIONS #1) 76 #2) 77 #3) 75 #4) 74 #5) 78 #6) 76. CHECKED MAG TIMING, CLEANED AND GAPPED SPARK PLUGS, GROUND RAN AIRCRAFT AND CHECKED FOR NORMAL OPERATION, ALL ADS CHECKED THROUGH 7/25/2023, INSPECTED THIS ENGINE AND PROPELLER PER FAR 43 APPENDIX D (100HR INSPECTION), I CERTIFY THIS ENGINE AND PROPELLER HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

Jared Mancini A&P 4373769

wo: WO_480

Engine - page 1 of 1



Aero Design Aircraft Services - 14135687300

N17AR

LYCOMING, TIO-540-K1G5D, S/N: L-16989-48A

July 25, 2023

TACH: 3732.75HRS, SMOH: 60.75HRS, ALL ADS CHECKED THROUGH 7/25/2023, INSPECTED THIS ENGINE PER FAR 43 APPENDIX D (ANNUAL/100HR), I CERTIFY THIS ENGINE HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITON.

Brian Rice IA 3272916

POWERPLANT

N17AR Tach: 3748.7 07/27/2024 Annual Inspection
MAKE: LYCOMING MODEL: IO-540-K1G5D SN# L-16989-48A
TSMOH: 76.7 ETT: 3748.7

CW An Annual INSP IAW Piper LANCE Inspection Report 230-916

Compression Test: #1: 79/80 #2: 78/80 #3: 79/80 #4: 79/80 #5: 79/80
#6 79/80

Drained Oil and Replaced with 8 quarts of AEROSHELL 1550

New Tempest AA48103-2 Filter installed

Cleaned and re-gapped spark plugs and checked ignition timing

Test ran engine, all operations good with no leaks

All AD's checked for compliance through issue 2024-14

I Certify that this Engine has been IAW with an Annual Inspection
and has been Determined to be in Airworthy condition

Dominic P. Scalera A&P/IA 2668058



POWERPLANT



N17AR Tach: 3773.0 09/19/2025 Annual Inspection
MAKE: LYCOMING MODEL: IO-540-K1G5D SN# L-16989-48A
TSMOH: 101 ETT: 6154.2

CW An Annual INSP IAW Piper LANCE Inspection Report 230-916

Compression Test: #1: 79/80 #2: 78/80 #3: 79/80 #4: 79/80 #5: 79/80
#6 79/80

Drained Oil and Replaced with 8 quarts of AEROSHELL 1550

New Tempest AA48103-2 Filter installed

Cleaned and re-gapped spark plugs and checked ignition timing

Test ran engine, all operations good with no leaks
All AD's checked for compliance through issue 2025-18

I Certify that this Engine has been IAW with an Annual Inspection
and has been Determined to be in Airworthy condition

Dominic P. Scalera A&P/IA 2668058

