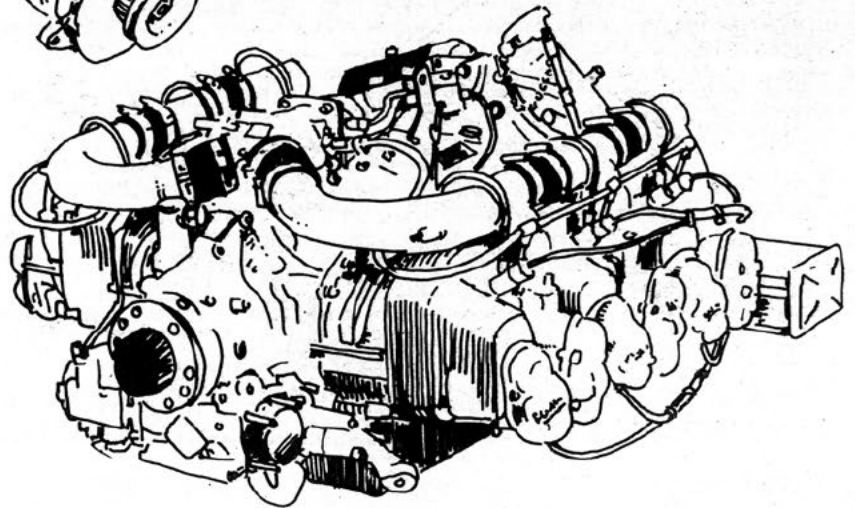
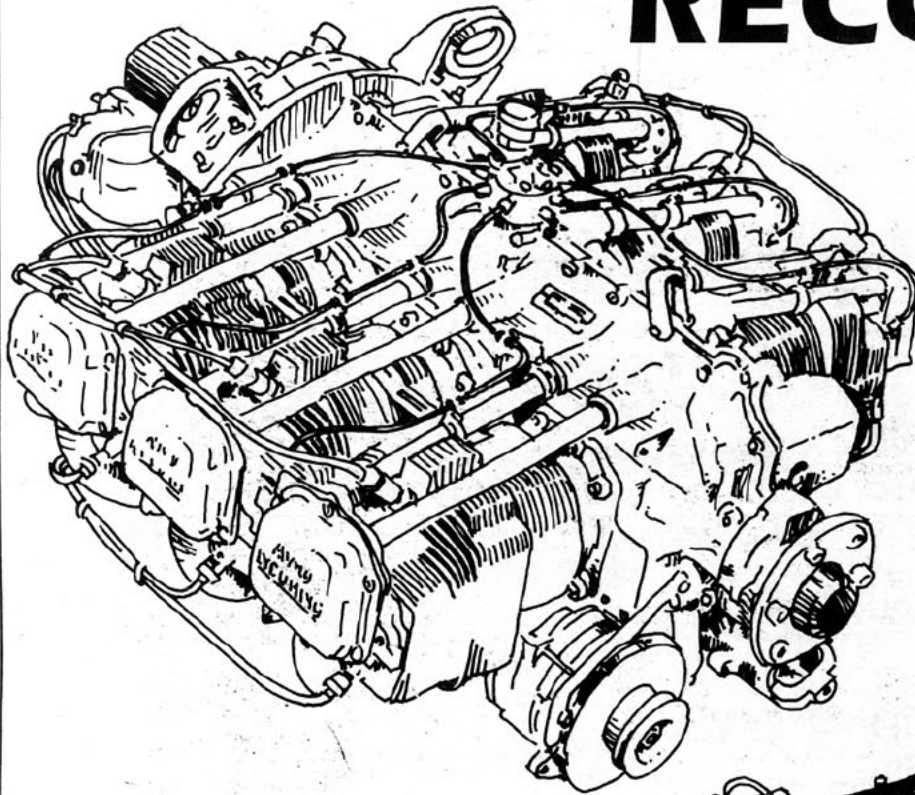


ENGINE MAINTENANCE RECORDS



MATTITUCK AVIATION CORPORATION

MATTITUCK, NY 11952

MATTITUCK AIRBASE, INC. / Limited Piston Engine Warranty

Effective 2/5/88, Mattituck Airbase, Inc., (hereinafter called "MAB"), makes the following warranty to its customer, subject to the limitations, conditions and exclusions set forth below.

WARRANTY COVERAGE - For a period of six (6) months after date of delivery to customer, or 240 hours of operation, whichever occurs first, MAB shall repair or replace, at its option, any aircraft engine, accessory, or part which is found to be defective, to MAB's satisfaction, within said warranty period.

For engine warranty after six (6) months from date of delivery to customer and prior to the expiration of the original manufacturer's recommended time between overhaul ("TBO"), the cost of repair or replacement (including the cost of parts and labor), at MAB's option, shall be prorated in the following manner. The customer shall pay the net price for a newly rebuilt engine equal to the current list price for the engine divided by the manufacturer's recommended TBO, and then multiplied by the number of hours on the repaired or replaced engine (which shall be deemed the greater of the actual logbook hours, recorded tachometer hours or time at forty (40) hours per month from the date of delivery). Reasonable labor costs associated with the repair of a warranted engine shall be prorated in the same manner on the basis of a flat rate schedule established by MAB.

After the initial six (6) months from date of delivery or 240 hours of operation, MAB will not assume any responsibility for the repair or replacement of engine accessories, e.g. magneto, starter, alternator, ignition harness, turbocharger, etc.

Replacement parts supplied for warranted engines still covered by manufacturer's warranty are supplied on an exchange basis. MAB will pursue warranty claims with the manufacturer on the owner's behalf. Any allowance by the manufacturer will be credited to the operator's account.

The repair or replacement of any part under the foregoing warranty shall not extend the periods of warranty coverage set forth above. MAB reserves the right to change the price or specifications of any engine or part at any time.

CONDITIONS AND PROCEDURES FOR OBTAINING WARRANTY WORK - The foregoing warranty shall be effective only if the engine or component to be serviced is returned to MAB's facility at customer's expense, together with particulars in writing of the nature of the defect. The customer or his representative should contact MAB for verification and authorization of warranty prior to return and/or repair. Written authorization must be obtained from MAB before repairs covered by warranty can be

performed other than by MAB. In no event shall allowable labor costs exceed local published shop rates. The foregoing warranty shall apply if and only if the engine has been properly installed and maintained in accordance with current approved standards of the FAA and current recommendations of the manufacturer as specified in applicable factory manuals and service bulletins. The performance of recommended inspections and maintenance must be documented by logbook entries which must accompany any engine returned for warranty work. Defects must be discovered within the warranty period and MAB must be given prompt notice thereof in writing, within ten (10) days after discovery.

LIMITATION, EXCLUSIONS, AND DISCLAIMERS - MAB shall not assume freight charges, transportation or delivery expenses, costs, or airframe repairs, all of which are excluded under this warranty. MAB does not warrant parts, materials or services supplied which are covered by manufacturer's warranty. This warranty shall not apply to any engine which has been subject to misuse, neglect, accident or damage from the elements, or which has been installed, repaired or maintained or altered in any manner which, in the judgement of MAB, has had an adverse effect on the engine or part. This warranty shall not apply to any engine which has been operated under conditions which exceed the manufacturer's recommendations. This warranty shall not apply to any engine which has been repaired or altered, in any manner other than by MAB, or its representative.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE WHICH WARRANTIES ARE HEREBY EXCLUDED. MAB liability hereunder shall be limited to the repair or replacement of any engine or part found to be defective within the applicable warranty period as set forth above. **IN NO EVENT SHALL MAB BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR ECONOMIC LOSS OF ANY NATURE WHETHER ARISING IN CONTRACT OR TORT, INCLUDING STRICT LIABILITY ON TORT OR NEGLIGENCE ON THE PART OF MAB.** The foregoing limitations and exclusion with respect to implied warranties and the exclusion of incidental or consequential damages may not apply in those states which prohibit such limitation or exclusions. This warranty gives customer specific legal rights, and the customer may have other rights which vary from state to state.

Work Order No. _____

12150

Engine Serial No. _____

L-16485-48A



Airway Drive
Mattituck, N.Y. 11952

ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. 5677U

Engine Manufacturer LYC

Model IO540 K165D

Serial No. _____

Date installed on aircraft 12-28-94

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right

☐ Left

☐ Front

☐ Rear

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Mattituck Airbase Inc.

Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All applicable Airworthiness Directives and mandatory Manufacturer's Service Bulletins are in compliance. A description of these repairs is on file at this agency under:

JOB NO. 12150 DATED 27 OCT 94
MFG. LYCOMING MODEL 10-540 K165D
Serial No. L-16485-48A Time in svc. _____



MATTITUCK AIRBASE INC.

FAA REPAIR STATION

MATTITUCK, L.I., N.Y. 11932

Authorized Signature

NEW NITRIDE CYC ASSY'S INSTALLED AT THIS TIME

Date 27 OCT 94

The accessories listed below were overhauled by Mattituck Airbase, Inc. in accordance with applicable manufacturer's service & parts manuals & installed on the engine:

Item	Part No.	Serial No.
STARTER	MZ4222	2K000061
ALT	4111810	96942T
MAG	10-382560-13	21711

The accessories listed below were new and installed on the engine:

Item	Part No.	Serial No.
FUEL	LW15473	

MATTITUCK AIRBASE INC.

FAA Repair Station

W.O. No. 12150



Authorized Signature

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
12-26-74			2071.0	Installed this Eng in A5677U Serviced with 11 QTS Aeroshell 100 mineral oil Eng run up no leaks, new Eng insert Rubbers & fuel & oil lines also installed [REDACTED] [REDACTED]
2-6-75			2082.6	changed oil & filter Serviced with 10 QTS 50WT mineral Eng run up VOR [REDACTED] [REDACTED]
5-22-75			2101.14	REMOVED COWL FOR INSPECTION, PERFORMED - COMPRESSION CHECK: #1 67/80 #2 76/80 #3 72/80 #4 75/80 #5 76/80 #6 78/80, DRAINED OIL, CHANGED FILTER, SERVICED WITH CH48103 OIL FILTER, CLEANED GAPPED AND ROTATED ALL SPARK PLUGS, INSPECTED EXHAUST AND INTAKE AND IGNITION SYSTEMS, REPLACED AIR FILTER ELEMENT SEE SERVICED AIRCRAFT WITH 11 QUARTS AEROSHELL W-100 OIL, RAN UP CHECKED OK, ALL COMPONENTS RE-INSTALLED AND SAFETIED. CHECKED ALL AD'S THROUGH 95-09. [REDACTED] [REDACTED]
5-22-75				AD 95-07-01 NA AS per MATTHEW Records Dept. AD 93-02-05 VISUAL check next due Annual or 100 HRS [REDACTED] [REDACTED]
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
10-2-2015		11665.0		TOTALS brought forward from previous page
ENG SMOH	1624.3			Annual insp c/w this date
Tach	620.3			Cleaned spark plugs, replaced
A/C T.T.	3756.3			brackett air filter, replaced
	3736.0			prop control cable - checked timing
				checked compression
				#1 $\frac{74}{80}$ #2 $\frac{79}{80}$ #3 $\frac{79}{80}$ #4 $\frac{75}{80}$ #5 $\frac{74}{80}$ #6 $\frac{72}{80}$
				Ran eng leak and ops checked
				I certify that this eng has been insp
				in accordance with a annual insp and
				was determined to be in a Unworthy
				Condition — [Signature]
				[Initials]
9-30-2016		1721.4		Annual insp c/w this date
ENG SMOH	1650.7			Cleaned spark plugs, replaced brackett
A/C T.T.	3842.7	3792.4		air filter, checked timing, checked
Tach	676.7			compression #1 $\frac{70}{80}$ #2 $\frac{70}{80}$ #3 $\frac{70}{80}$ #4 $\frac{72}{80}$ #5 $\frac{70}{80}$ #6 $\frac{65}{80}$
				washed engine, ran, leak + ops checked
				I certify that this eng has been insp in
				accordance with annual insp and was determined
				to be in a Unworthy Condition [Signature]
				[Initials]
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				La Porte Aviation Services Engine N5677V 738.1 Tach October 5, 2017 
				• Changed engine oil Phillips X/C 20w50 and filter AA48103-2 • Inspected Oil filter element, no debris noted • Leak and operational check satisfactory • Performed Compression check. 1:78; 2:80; 3:76; 4:75; 5:75; 6:77 • Reinstalled top plugs with new gaskets and anti-seize
				Aircraft is approved for return to service with respect to the work performed.
				Kurt Boehlke A&P 
11-2-2017		1786.0		ANNUAL INSP C/W ON THIS DATE:
ENG SNOW 77457				CLEANED SPARK PLUGS, CHECKED MAG TIMING, CHECKED
A/C TOTAL TIME 3077.3		3857.0		COMPRESSION: 1:77, 2:78, 3:77, 4:76, 5:74, 6:78. WASHED ENG
TACH 741.3				AND LUBED ENG CONTROLS. R/R MIXTURE CONTROL ROD ON
				FUEL SERVO WITH A NEW UNIT FROM AIRCRAFT ACCESSORIES
				OF OKLAHOMA, ADJUSTED MIXTURE AND IDLE F/W
				LYCONNING OVERHAUL MANUAL.
				FABRICATED AND INSTALLED NEW OIL COOLER HOSES
				T40-053a TYPE C, AD 2017-14-04, NEXT INSP DUE AT
				TT 841.3. LIFE LIMIT IS 8 YEARS OR 1000 HRS. NEXT REPLACEMENT
				DUE NOV 2025 OR TAT 1741.3 WHICHEVER COMES FIRST.
				REMOVED PROP AND INSTALLED NEW ALTERNATOR BELT.
				REINSTALLED PROP WITH A NEW "O" RING, TORQUED
				AND SAFETIED BOLTS. R/R ENGINE, LEAK AND OPS
				CHECK GOOD.
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
				I/AW ANNUAL INSPECTION SCOPE AND DETAIL 43.13
				APPENDIX D AND IS FOUND TO BE IN AIRWORTHY
				CONDITION AT THIS TIME. 
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

A&P IA

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
5/27/2018	3909.5	1777.5	773.5	oil change / Filter Change. previous oil change at 7538 Replace Cyl 4 Spark plugs w/ Ziewne work done by Allen Clark [REDACTED]
8/27/2018				compressing checks By BMG - #1-75, #2-79, #3-79 #4-77, #5-75, #6-74 #5 EGT Probe Replaced by BMG [REDACTED]
BMG Aviation, Inc. 08/17/18 [REDACTED] Bloomington, IN 47403 N5677V Replace #5 Cylinder EGT Probe with new PN: P-110. Ops check good and return aircraft for service. Andrew Mason [REDACTED] P BMG Jet Center [REDACTED] Bloomington, IN 47403 Ph [REDACTED] Registration: N5677V Piper Model: PA32R300 S/N: 7780359 AFTT: 3919.0 ESMOH: 1848.0 HOBBS: 803.3 PSN: 1624.82 1. Remove Cowling Drain oil, Inspect Filter, Install 10 Qts Phillips 20W50 XC 1 Pint Camguard, & New CH 48103-1 Filter 2. Compression Test #1-78, #2-78, #3-78, #4-74, #5-72, #6-76 3. Perform 500 hr Mag Inspection, Install new Points Next due Hobbs: 1303.3 4. Adjust Engine Timing 5. Remove Engine Mount send out for Repair & Re-install, 6. Install New Sky-Tec Starter 7. Adjust Fuel mixture at Bendix Servo 8. Inspect Firewall 9. Wash down Engine, Test Run, No Leaks Noted I certify that this Engine has been inspected IAW FAR 43 Appendix "D" Annual / 100 HR inspection and was determined to be in airworthy condition and returned for service. Bob Burke [REDACTED] A [REDACTED]				

07/10/2019

DATE



12/05/2019

 IRMED—
 PERFORMING WORK

Bloomington, IN 47403 Ph: _____

Registration: N5677V

Piper Model: PA32R300 S/N: 7780359

AFTT: 3984.9 ESMOH: 1913.9 HOBBS: 869.2 PSN: 1690.72

1. Remove Cowling Drain oil, Inspect Filter,
2. Install 10 Qts Phillips 20W50 XC 1 Pint Camguard, & New CH 48103-1 Filter
3. Install new Rocker Cover Gasket #5 Cylinder
4. Wash down Engine, Test Run, No Leaks Noted & return for service.

Bob Burke _____ AP _____



07/18/2020

Bloomington, IN 47403

Registration: N5677V

Piper Model: PA32R300 S/N: 7780359

Engine Model: IO-540-K1G5C SN: L-16485-48A

AFTT: 4036.70 ESMOH: 1965.7 HOBBS: 921.0

1. Remove Cowling Drain oil, Inspect Filter, Install 10 Qts Phillips 20W50 XC 1 Pint Camguard, & New CH 48103-1 Filter
2. Compression Test #1-77, #2-78, #3-75, #4-78, #5-72, #6-77
3. 500 hr Mag Inspection, Next due Hobbs: 1303.3
4. Adjust Engine Timing
5. Inspect Firewall
6. Wash down Engine, Test Run, No Leaks Noted

I certify that this Engine has been inspected IAW FAR 43 Appendix "D" Annual / 100 HR Inspection and was determined to be in airworthy condition and returned for service.

Bob Burke _____ AP _____



Bloomington, IN 47403

04/30/2021

Registration: N5677V

Piper Model: PA32R300 S/N: 7780359

Engine Model: IO-540-K1G5C SN: L-16485-48A

AFTT: 4050.5 ESMOH: 1979.5 Tach: 921.0

1. Remove Cowling Drain oil, Inspect Filter,
2. Install 10 Qts Phillips 20W50 XC 1 Pint Camguard,
3. Install New CH 48103-1 Filter
4. Leak Check and return for service.

Bob Burke _____ AP _____

DATE



08/13/2021

FORMED—
PERFORMING WORK

Bloomington, IN 47403

Registration: N5677V

Piper Model: PA32R300 S/N: 7780359

Engine Model: IO-540-K1G5C SN: L-16485-48A

AFTT: 4054.2 ESMOH: 1983.2 HOBBS: 937,5

1. Remove Cowling Drain oil, Inspect Filter, Install 10 Qts Phillips 20W50 XC 1 Pint
Camguard, & New CH 48103-1 Filter

2. Compression Test #1-72, #2-74, #3-62, #4-77, #5-64, #6-61

3. 500 hr Mag Inspection, Next due Hobbs: 1303.3

4. Adjust Engine Timing

5. Inspect Firewall

6. Wash down Engine, Test Run, No Leaks Noted

I certify that this Engine has been inspected IAW FAR 43 Appendix "D" Annual / 100 HR
Inspection and was determined to be in airworthy condition and returned for service.

Bob Burke

A

SUB-TOTALS this page

TOTALS—Carry forward to next page