

N1519B

 **GRUMMAN AMERICAN AVIATION  
CORPORATION**

318 BISHOP ROAD, CLEVELAND, OHIO 44143  
216 449-2200      TELEX NO. 980-245

**ENGINE LOG**

ENG. SER.

ENGINE LOG

NC N1519R  
January 1975  
Book 1 - October 2000

DESCRIPTION

ENGINE MFG. Lycoming MOD. A-360-A4K SER. L-19630-36A

RPM	BPH	MANIFOLD PRESS.
NORMAL <u>2700</u>	NORMAL <u>180</u>	NORMAL _____
MAX. _____	MAX. _____	MAX. _____

OIL	FUEL	IGNITION
CAP. GALLONS <u>2.0</u>	OCTANE MIN. <u>100/130</u>	MAGNETO TIME _____
GRADE SUMMER <u>SAE 40</u>	OCTANE MAX. _____	MAG. POINT GAP _____
GRADE WINTER <u>SAE 30</u>	OCTANE REC'D _____	SPARK PLUG GAP _____
		FIRING ORDER <u>1-3-2-4</u>

**GRUMMAN AMERICAN AVIATION CORPORATION**

318 BISHOP ROAD, CLEVELAND, OHIO 44143  
216 449-2200 TELEX NO. 580-245

ENG. SER.

ENGINE LOG

NC

OWNERSHIP RECORD

ORIGINAL OWNER	Charles Rickerhauser, Sheila C.	ADDRESS	622 Gentry Drive
DATE	CITY Lancaster	STATE	PA
TRANSFER TO	William Losey / Titop Corp	ADDRESS	
DATE	CITY Coatsville / Forest Hills	STATE	PA / MD
TRANSFER TO	Bruce James	ADDRESS	6 Chesterton Dr.
DATE	7/31/2000 CITY Landenberg	STATE	PA
TRANSFER TO		ADDRESS	
DATE	CITY	STATE	
TRANSFER TO		ADDRESS	
DATE	CITY	STATE	
TRANSFER TO		ADDRESS	
DATE	CITY	STATE	
TRANSFER TO		ADDRESS	
DATE	CITY	STATE	





ENG. SER.

## MANDATORY SERVICE BULLETINS

NC

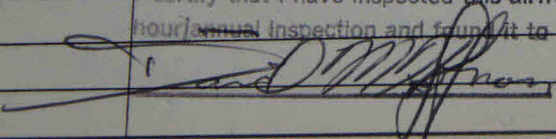
DATE	TOTAL TIME	GIVE A BRIEF DESCRIPTION OF COMPLIANCE	SIGNATURE AND CERTIFICATE NO. OF MECHANIC OR REPAIR FACILITY
2/17/75		Drained oil insp + cleaned screen. refilled w/ 7 qts SAE 30W AID oil. insp engine compartment for general condition.	Tach Reading 28.35 Anthony Di Costanzo AWP 1303010
26 FEB 75		Removed and replaced air filter per Bulletin # 148 Installed placards, fuel quantity and octane setting.	TACH. 42.9 1/2 HRS. J. J. Starnap AWP 1376066
3/3/75		Drained oil inspected + cleaned screen refilled with AeroShell 65W, TACH. 59 hr RWI	David M Hoffman AWP 002406378

ENG. SER.

## AIRWORTHINESS DIRECTIVES

NC

3

DATE 19__	DIRECTIVE NUMBER	GIVE A BRIEF DESCRIPTION OF COMPLIANCE	SIGNATURE AND CERTIFICATE NO. OF MECHANIC OR REPAIR FACILITY
		<p>LANCO AIRCRAFT SALES LANCASTER AIRPORT, R. D. #3, LITITZ, PA. 17543 TACK TIME <u>100</u> DATE <u>5/5/75</u> ENGINE TT <u>100</u> AIRFRAME TT <u>100</u></p>	
		<p>DRAINED OIL, REMOVED CHECKED AND CLEANED SCREEN REFILLED WITH AEROSHELL 100W, CLEANED &amp; GAPPED SPARK PLUGS, CLEANED AIR INLET FILTER CHECKED MAG TIMING COMPRESSION ALL OVER 75/80. END</p>	
		<p>I certify that I have inspected this airframe/engine in accordance with a 100 hour/annual inspection and found it to be in airworthy condition.</p>	
		<p> A&amp;P 20242638</p>	

# ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
WITH NAME, RATING AND CERTIFICATE NUMBER

DATE  
19

**LANCO AIRCRAFT SALES**

LANCASTER AIRPORT, R. D. #3, LITITZ, PA. 17543

TACK TIME 200 DATE 26 July 1975

ENGINE TT 200 AIRFRAME TT 200

change oil - clean & check  
SCREENS, CLEAN ROOP  
SPARK PLUGS, CHECK WINGS  
& FLIGHT, CLEAN AIR  
FILTER.  
compression all  
78/80

I certify that I have inspected this airframe/engine in accordance with a 100  
hour/annual inspection and found it to be in airworthy condition.

Gilbert [Signature] A&P 1892694





# ENGINE LOG

DATE  
19

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
WITH NAME, RATING AND CERTIFICATE NUMBER

**LANCO AIRCRAFT SALES**  
LANCASTER AIRPORT, R. D. #3, LITITZ, PA. 17543

TACK TIME 300 DATE 11/15/75

ENGINE TT 500 AIRFRAME TT 300

Drained oil Refilled with Aeroshell 80w  
Removed, inspected, cleaned & reinstalled  
screen, checked mag timing, cleaned  
tapped plugs cleaned air filter  
Comp all over 75/80

I certify that I have inspected this airframe/engine in accordance with a 100  
hour annual inspection and found it to be in airworthy condition.

*Jack M. Hoffman* A&P 2021263 *JH*

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

ENG. SER.

NC

7

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
<b>LANCO AIRCRAFT SALES</b>					
LANCASTER AIRPORT, R. D. #3, LITITZ, PA. 17543					
TACK TIME <u>363</u> DATE <u>2/9/76</u>					
ENGINE TT <u>363</u> AIRFRAME TT <u>363</u>					
<p>Drained oil removed inspected                      &amp; reinstalled oil screens replaced                      oil pump pinion gear jaw AD 75-08-09                      replaced plugs left mag (388), checked                      mag timing &amp; cleaned gapped plugs                      Russell ARB shaft 650</p>					
<p>Comp #1 <u>1/80</u> #2 <u>1/80</u> #3 <u>13/80</u> #4 <u>19/80</u></p>					
<p>I certify that I have inspected this <del>airframe</del> engine in accordance with a <del>12</del>  <del>hour</del> annual inspection and found it to be in airworthy condition.</p>					
<p><u>Paul J Meane</u> A&amp;P <u>1577378 J.A.</u></p>					

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TOP OF NEXT LEFT PAGE

# ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS

EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER

DATE

19 *76*

*4/14/74*

*T.T. 419*

*Drained oil & Refilled with aero Shell 80W  
Substantive L. G. Jr.*

ENG. SER.

DATE

19

Mfg. FORD Part No. DOFF10300J

Serial No. 4060927N AE No. 315

Model \_\_\_\_\_

9  
AND  
NO.

**MAINTENANCE RELEASE**

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under:

Order No. 6751 Date JUN 26 1984

Signed: Thomas Russell

**AIRBORNE  
ELECTROSYSTEMS**

P. O. Box 273 205/227-4327 TWX 810-744-3450  
FORT DEPOSIT, AL 36032 U. S. A.

F. A. A. APPROVED REPAIR STATION NO. 3779

I certify that I have inspected this airframe/engine in accordance with a 100  
hour/annual inspection and found it to be in airworthy condition.

Tom Russell A&P 202425372

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TOP OF NEXT LEFT PAGE



ENG. 3

DATE 19

TACH. TIME

THIS FLIGHT

TOTAL TIME

REMARKS

SIGNATURE AND CERTIFICATE NO.

LANCO AIRCRAFT SALES  
LANCASTER AIRPORT, R. D. #3, LITIZ, PA. 17543

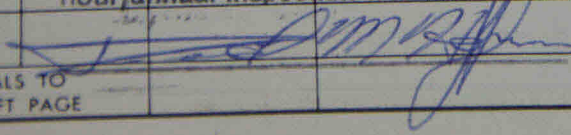
TACK TIME 463 DATE 6/26/76

ENGINE TT 463 AIRFRAME TT 463

Drained oil, refilled with  
HARO Shell 100w. Check oil SCREW  
installed drain back hoses  
& clamps #4 #2 cyl, checked mag  
finer cleaned & gapped plugs  
washed ring

Pump All over 75/80

I certify that I have inspected this airframe/engine in accordance with a 100  
hour annual inspection and found it to be in airworthy condition.

 A&P 202425378

FORWARD TOTALS TO  
TOP OF NEXT LEFT PAGE

# ENGINE LOG

DATE  
19 76

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
WITH NAME, RATING AND CERTIFICATE NUMBER

8/17

1 Ach 249 Drained oil checked  
Screw Reilled ARROSH/2000  
DM Kff ATP203426328

OCT. 29 1978

R & R engine due to fuselege change  
R & R carb. air box with a new one  
checked all items of safety this engine  
has had a production test flight 540.83  
TOTAL TIME

ALL APPLICABLE AIRWORTHINESS DIRECTIVES HAVE BEEN REVIEWED THRU 76-70 AND COMPLIED WITH IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION.

SIGNED Daniel Brundage IA1832145  
FOR GRUMMAN AMERICAN  
AVIATION

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175







# ENGINE LOG

DATE  
19\_\_

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
WITH NAME, RATING AND CERTIFICATE NUMBER

1 June 1977 Tach 133  
change oil, clean screens, check  
MAGS & timing, Replace HR Baffle.  
Replace 4 spark plugs. Replace  
air filter.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED  
IN ACCORDANCE WITH A Annual INSPECTION AND WAS  
DETERMINED TO BE IN AN AIRWORTHY CONDITION.

TIME IN SERVICE 673 DATE 1 June 1977  
SIGNED [Signature] 1892694 JA.

ENG. SER.

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
20	Dec	1977		TACK 235	
				change oil, clean screens, clean & Reampy spark plugs, replace 4 spark plugs, check magneto points & timing, replace all exhaust wash kits, compression all 78/80	
I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.					
TIME IN SERVICE				775	DATE 20 Dec 77
SIGNED				<u>Gilbert Hood</u> 1892694 IA	
FORWARD TOTALS TO TOP OF NEXT LEFT PAGE					

NOTE: This tag should be attached to the logbook of the aircraft or engine on which the component was installed.

EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER

DATE  
19 78

2 July Total Tach: 351.0 Removed and replaced starter motor in accordance with Avco Lycoming service manual. David Duran AIP #158525756

11 April 1979 tach 390  
Replace bottom plug #2 cyl.  
Jay M. Stout AIP 20552925

EBB 75A

WORK ORDER

Number 5166

**ward** *aero*

FT. DEPOSIT, ALBAMA 36032, U.S.A.

Phone 205/227-4327

Aircraft or Engine Accessory STARTER

O.E. Manufacturer PRESTOLITE

O.E.M. P/N M 2 42 18 R Ward Aero P/N 2064

Model \_\_\_\_\_ Serial No. 8050156

Overhaul, Repair and/or Modify the Accessory listed on this form to the current Manufacturers Specifications.

WA 020  
Rev. 11/77

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

DATE  
19 28

12 July Tot

st

by



ENG. SER.

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
20	Dec	1978		Tack 374	
				change oil, clean screens, clean & Reg AP spark plugs, check mag's & Timing	
				Total Time 864	
I certify that I have inspected this airplane/engine in accordance with a 100 hour/annual inspection and found it to be in airworthy condition.					
<u>Richard [Signature]</u> A&P 1892699 IA					
FORWARD TOTALS TO TOP OF NEXT LEFT PAGE					

# ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
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 WITH NAME, RATING AND CERTIFICATE NUMBER

DATE  
 19\_\_

JUNE 19, 1979 REPLACED LEFT MAG TACH TIME  
 410.9 HRS

DelValve overhaul AXP117563

8 August 1979 Tach 420 Total 910  
 Drain oil Refill with Aeroshell 100W  
 cleaned and checked screens, cleaned  
 and Regapped spark plugs checked mag timing  
 Replaced all leads. oil left mags.  
 Comp # 175/50 # 2 75/50 # 3 57/50 # 4 77/50

I CERTIFY THAT THIS AIRCRAFT MECHANIC HAS BEEN  
 IN ACCORDANCE WITH AIRCRAFT INSPECTION AND WAS  
 DETERMINED TO BE IN AN AIRWORTHY CONDITION  
 TIME IN SERVICE 910 DATE 1979694 IN.

SEE PERTINENT FAR 91.167, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

Mfg. FORD GPD Part No. DOFF10300J  
Serial No. 8090379 AE No. #315  
Model \_\_\_\_\_

**MAINTENANCE RELEASE**

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.  
Pertinent details of the repair are on file at this repair station under:

Order No. 5833 Date SEP 18 1978

Signed: Thomas Maxwell



**AIRBORNE  
ELECTROSYSTEMS**

P. O. Box 273 205/227-4327 TWX 810-744-3450  
FORT DEPOSIT, AL. 36032 U. S. A.

F. A. A. APPROVED REPAIR STATION NO. 3779

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TOP OF NEXT LEFT PAGE

JRE AND  
ATE NO.

17

*File*

*552857*

*F/10300J*

*582951R*

*102*  
*Ground*

NC

SIGNATURE AND  
CERTIFICATE NO.

DATE  
19

TACH.  
TIME

THIS  
FLIGHT

TOTAL TIME

REMARKS

20 August 1979 tach 428  
Re placed left mag. Retine to engine  
Test run OK.

*[Signature]* 18205529257

12/28/79 INSTALLED REBUILD ALTERNATOR S/N 8090379, P/N DOFF 10300J  
Ground Run OK. Mount *[Signature]* 1288591 TACH 552.95 HR.

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TOP OF NEXT LEFT PAGE

DATE  
198

3/24

6/9



### ENGINE LOG

DATE  
1980

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
WITH NAME, RATING AND CERTIFICATE NUMBER

3/21 CHANGED OIL & FILTER TACH TIME 592.0

6/4 " " " " " 670.92

PAY TO THE ORDER OF  
THE FOREST HILL STATE BANK  
FOREST HILL, MD.  
FOR DEPOSIT ONLY  
CHESAPEAKE AVIATION-FUEL  
0001104001



## ENGINE LOG

DATE

19

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS

EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
WITH NAME, RATING AND CERTIFICATE NUMBER

1 APR 1982 TACK 1105

MAJOR OVER HAUL COMPLETED THIS DATE.  
 ENGINE DISASSEMBLED, CLEANED & INSPECTED  
 TOW HXC OVERHAUL MANUALS. ALL STEEL PARTS  
 MAGNETICALLY FLUXED, CAMSHAFT RECONDITIONED BY  
 AIRCRAFT ENGINE & ACCESSORY INC ON WO# 25723.  
 ONE CYLINDER RECONDITIONED BY QUALITY  
 CYLINDERS INC ON WO 6100-1, THREE CYLINDERS  
 SUPPLIED BY E. MORE AIRCRAFT ON WO# 1579-1,  
 & 1231 & CHROME PLATE WO# 69974. REPLACED ALL  
 EX VALVES, VALVE KEEPERS, ROTATOR CAPS, RINGS  
 DISTAL PIN PLUGS, THERMOSTAT, OIL PUMP DRIVE  
 & BEARS, FAW AD 81-18-04, ALL ROD BOLTS & NUTS

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

OVER





### ENGINE LOG

DATE  
19

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
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WITH NAME, RATING AND CERTIFICATE NUMBER

5 July 1982 tack 1130

Drained oil. Ref. Fled with AeroShell  
50 Mineral. Post Overhaul inspection  
complete. Continuing using mineral oil.  
Jay R. [Signature] AP 205529257

7 August 1982 tack 1149

Drained oil. Ref. Fled with  
AeroShell 100 mineral. changed filter.  
Jay R. [Signature] AP 205529257

ENG. SER.

NC

23

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
May 2, 1993				<p>This <del>Engine</del> has been inspected in accordance with an <u>Annual</u> inspection. And is approved for return to Service.</p> <p>TACK. TIME <u>12/39</u></p> <p>COMP. CK. #1 <u>78/40</u> #2 <u>78/40</u> #3 <u>68/40</u> #4 <u>68/40</u> #5 <u>    </u> #6 <u>    </u></p>	
<p>Oil changed 8 qt Sae Shell 50 wt oil, oil filter changed, oil suction screen checked, 1 part plugs cleaned and gapped, installed new stick ignition harness, new air intake filter, AD 81-16-05 CW by installation of new coil # M 3114, replace magnets, install new rocker box cover # 3 cgl, reset nose case bolts back unbedded, use service bulletins +</p>					

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### ENGINE LOG

DATE  
19\_\_

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# A1-79, # A2-78, # A1-81 completed with washed  
engine, W. Shain / Broad ST 216566985

ENG. SER.

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
6-8-44				<p>This <del>Engine</del> has been inspected in accordance with <u>an Annual</u> inspection. And is approved for return to Service TACK. TIME <u>27</u> <del>17</del> <sup>78.0</sup> COMP. CK. #1 <sup>78</sup>/<sub>44</sub> #2 <sup>73</sup>/<sub>44</sub> #3 <sup>64</sup>/<sub>44</sub> #4 <sup>72</sup>/<sub>44</sub> #5 ___ #6 ___</p>	
				<p>Oil &amp; filter changed, oil suction screen cleaned, spark plugs checked &amp; gapped, magneto timing checked, air intake filter changed, wash engine substance carburetor. William J. Bristol A I 716566945</p>	
FORWARD TOTALS TO TOP OF NEXT LEFT PAGE					



## ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS

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WITH NAME, RATING AND CERTIFICATE NUMBERDATE  
19\_\_

Sept 11, 1984 Oil & filter changed, Phillips x C 20-50  
 Truck 1416.0 install new primer line #3 1/2".  
 William J Broad A-P 216566945

ENG. SER.

NC

27

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
July 3, 1945				This <del>Engine</del> has been inspected in accordance with an <del>Annual</del> inspection. And is approved for return to Service.	
			TACK. TIME 1482.0		
			COMP. CK. #1 <del>100</del> #2 <del>75</del> #3 <del>364</del> #4 <del>70</del> #5 <del>160</del> #6 <del>160</del>		
<p>Oil &amp; filter changed, 8 qt. Phillips' 5C 20-50, oil suction screen checked, carb bowl drained, inspect alt-er starter, magnets timing checked, spark plugs cleaned &amp; gapped, installed new air intake filter or AD 84-26-02, Lubricate control, wash engine.</p>					
<p>William S. Broad AT 216566945</p>					
<p>FORWARD TOTALS TO TOP OF NEXT LEFT PAGE</p>					

DAT  
19\_\_

3-  
Tech

# ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS

EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER

DATE

19\_\_

3-12-86  
 Tech 15460  
 Remove prop, check crankshaft run out,  
 out of round "0.0"  
 Wilhelm / Brauch A. P. 216566945

ENG. SER.

NC

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
9-22	-96			<p>This <u>Engine</u> has been inspected in accordance with <u>an Annual</u> inspection. And is approved for return to Service.</p> <p>TACK. TIME <u>1560.00</u></p> <p>COMP. CK. #<u>1</u> <u>2</u> #<u>3</u> #<u>4</u> #<u>5</u> #<u>6</u></p> <p>Remove #3 &amp; 4 cyl # Install re-build #3 &amp; 4 w.o #30201 Harries Engine Service, install new intake &amp; exhaust valves, pistons, wrist pins &amp; caps each, shanks &amp; plugs, deglaze cyl walls, new rings gaskets &amp; seals, new SA 87 spark plugs, oil &amp; filter changed, air filter cleaned, magneto timing checked, oil suction screen checked.</p> <p>William J Broad AJ 216566945</p>	
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TOP OF NEXT LEFT PAGE



**WARRANTY**

This unit is warranted against faulty material and workmanship for a period of 90 days. If warranty required, return this tag with unit to Harrison Engine Service, 301 Detroit Street, LaPorte, Indiana 46350.

*Class 12* **SERVICEABLE**

PART NAME	MFG.
<i>Cyl. - 0360 w/p</i>	<i>Lyn.</i>
PART No.	SERIAL No.
<i>75874</i>	

*Blow & inspect 3 cyl.  
 Kromeboe 1 cyl.  
 Cylsave "R" Lucas 1 cyl.  
 Radius SP Hela. SI No 1135  
 O overhaul complete 1 cyl.*

(over)

## ENG. SER.

DATE		TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
19						
	Sept 24, 1947				<p>This <u>Engine</u> has been inspected in accordance with <u>an annual</u> inspection. And is approved for return to Service.</p> <p>TACH. TIME <u>1701.0</u>            COMP. CK. #1 <u>17%</u> #2 <u>14%</u> #3 <u>14%</u> #4 <u>14%</u>            #5 <u>   </u> #6 <u>   </u></p> <p>oil filter changed, 8qt Phillips 20-50, oil screen checked carb bowl drained, clean gap spark plugs, install new oil seal right magneto, timing, points checked, new bracket + air filter, lubricate controls, wash engine.</p> <p>William Brown #1216566945</p>	
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ENG. SER.

NC

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
<p>Sept 24, 1947</p>				<p>This <u>Engine</u> has been inspected in accordance with <u>an Annual</u> inspection. And is approved for return to Service.</p> <p>TACK. TIME <u>1701.0</u></p> <p>COMP. CK. #1 <u>77/100</u> #2 <u>78/100</u> #3 <u>77/100</u> #4 <u>77/100</u>                      #5 <u>      </u> #6 <u>      </u></p> <p>oil filter changed, 8qt Phillips 20-50, oil screen checked                      carb bowl drained, clean &amp; gap spark plugs, install new oil                      seal, right magnet, timing, points checked, new bracket                      air filter, lubricate controls, wash engine.</p> <p>William Bassal FI 216566945</p>	
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## ENGINE LOG

DATE  
19\_\_

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
WITH NAME, RATING AND CERTIFICATE NUMBER

Nov 25, 1988

This Engine has been inspected  
in accordance with an Annual  
inspection and is approved for  
return to Service.

TACK. TIME 1746.2

TSMOH

COMP. CR. #1 <sup>74</sup>/<sub>100</sub> #2 <sup>77</sup>/<sub>100</sub> #3 <sup>74</sup>/<sub>100</sub> #4 <sup>74</sup>/<sub>100</sub>  
#5 #5

Oil & filter changed 9/16 Phillips x20-20, oil suction  
screen checked & cleaned, carb bowl drained, clean & rotate  
spark plugs, Magneto timing checked, new air intake filter,  
lubricate controls, wash engine. Waltham & Broad  
#216566945



# FAA/PMA APPROVED

ENG. S

DATE

19

12-2

89

THIS MAGNETO WAS MANUFACTURED FROM ALL NEW COMPONENTS IN ACCORDANCE WITH FAR 21.303h UNDER AUTHORITY OF MMF3226 AND IS AIRWORTHY. THIS MAGNETO IS FAA/PMA APPROVED FOR APPLICATIONS LISTED IN SLICK AIRCRAFT PRODUCTS FORMS L-1058 AND L-1199.

ENTER MAGNETO MODEL, SERIAL NUMBER AND DATE OF INSTALLATION AND ATTACH THIS TAG TO ENGINE LOGBOOK.

MAGNETO MODEL NO. 4271

MAGNETO SERIAL NO. 89100288

DATE OF INSTALLATION 12/28/89

NC

SIGNATURE AND  
CERTIFICATE NO.

Oil & filter changed 8qt 15W-50 XC 20-50, oil filter  
and suction screen inspected, Replace one lower spark  
plug and damaged ign lead end, Install new left  
magneto # 4271, Ser 89100288, inspect pts right mag, clean  
and rotate spark plugs, replace air filter element,  
lubricate controls, wash engine.

FORWARD TOTALS TO  
TOP OF NEXT LEFT PAGE

NC

SIGNATURE AND  
CERTIFICATE NO.

ENGINE

DATE  
19

TIME

THIS  
FLIGHT

TOTAL TIME

REMARKS

12-25-19

This Engine has been inspected  
in accordance with 95 Annual  
inspection. And is approved for  
return to Service.

TACK. TIME 1798.0
 COMP. CK. #~~1~~<sup>24</sup> #~~2~~<sup>24</sup> #~~3~~<sup>24</sup> #~~4~~<sup>24</sup>  
#~~5~~ #~~6~~

Oil & filter changed 8 qts Phillips xC 20-50, oil filter  
and suction screen inspected, Replace one lower spark  
plug and damaged ign lead end, Install new left  
magneto # 4271, Ser 89100288, inspect pts right mag, clean  
and rotate spark plugs, replace air filter element,  
lubricate controls, wash engine.

FORWARD TOTALS TO  
TOP OF NEXT LEFT PAGE

# ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
 EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
 WITH NAME, RATING AND CERTIFICATE NUMBER

DATE  
19\_\_

1-21-91 This Engine has been inspected  
 in accordance with an Annual  
 inspection. And is approved for  
 return to Service.

Basot 710.6

TACK. TIME 1815.6

COMP. CK. #1 <sup>76</sup>/<sub>80</sub> #2 <sup>78</sup>/<sub>80</sub> #3 <sup>78</sup>/<sub>80</sub> #4 <sup>72</sup>/<sub>80</sub>

#5 #6

Oil and filter changed 8qt Phillips xC20-50, inspect  
 oil filter and suction screen, clean and rotate spark plugs,  
 magneto timing checked, carb bowl drained, clean inspect  
 inlet screen, inspect muffler and exhaust sys, replace air  
 filter element, clean and paint engine mount, degrease  
 engine lubricate controls.

William S Broad AJ 26566945

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

ENG. SER.

NC

DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
January 10, 1942				<p>This Engine has been inspected in accordance with an Annual inspection. And is approved for return to Service.</p> <p>TACK. TIME 1841.0</p> <p>COMP. CK. #1 <sup>181</sup>/<sub>190</sub> #2 <sup>174</sup>/<sub>190</sub> #3 <sup>181</sup>/<sub>190</sub> #4 <sup>171</sup>/<sub>190</sub> #5 <sup>181</sup>/<sub>190</sub> #6 <sup>171</sup>/<sub>190</sub></p> <p>Oil and filter changed, 8oz Acas Shell 15W50, Inspect oil filter and suction screen, Magneto timing checked, clean and retake spark plugs, drain carb bowl, clean &amp; inspect inlet screen, inspect muffler and exhaust sys, replace intake air filter element, degrease, lubricate controls</p> <p>William J. Broad T-4 216566945</p>	
FORWARD TOTALS TO TOP OF NEXT LEFT PAGE					



# ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
 EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
 WITH NAME, RATING AND CERTIFICATE NUMBER

DATE  
 19     

Feb 12, 1993 This Engine has been inspected  
 in accordance with an Annual  
 inspection. And is approved for  
 return to Service.

TACK. TIME 1877.2

COMP. CK. #1 <sup>76/</sup>~~76/~~ #2 <sup>77/</sup>~~77/~~ #3 <sup>77/</sup>~~77/~~ #4 <sup>68/</sup>~~68/~~ #5 <sup>77/</sup>~~77/~~ #6 <sup>77/</sup>~~77/~~ TS-MOH 772.2

#5      #6     

Oil and filter changed 8 qt AeroShell 15w50,  
 inspect oil filter and suction screen, Magneto timing checked  
 install 8 R.E.M 38 E spark plugs, install new air filter  
 element, drain carb bowl, clean inspect carb inlet screen,  
 inspect muffler & exhaust sys, Replace rubber box cones  
 3 & 4 cyl, repair upper carb dean support, degrease engine  
 lubricate controls. William J. Brown TA 216566945

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

ENG. SER.

NC

DATE 1994 <i>Feb 25</i>	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
				<i>Engine</i> CERTIFY THAT THE ENGINE HAS BEEN INSPECTED IN <i>Annual</i> ACCORDANCE WITH AN ANNUAL INSPECTION AND AS DETERMINED TO BE IN A WORTHY CONDITION FOR FURTHER SERVICE.	
				<i>Feb 25 1994</i> TOTAL TIME IN SERVICE <i>1914.84</i>	
				SIGNATURE <i>William J. George</i> WILLIAM J. GEORGE A & P 2008737 IA	
				<i>changed oil, cleaned Plugs change oil &amp; air filter</i> <i>Washed down engine. Checked Compressor</i> <i>#1 72/80 #2 72/80 #3 72/80 #4 72/80 Checked ADs to date.</i> <i>William J. George</i> <i>AAP 2008737</i>	
FORWARD TOTALS TO TOP OF NEXT LEFT PAGE					

# ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS

EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER

DATE

1995

3-10

ANNUAL 100hr INSPECTION CONDUCTED THIS DATE  
PLUGS CLEANED & GAPPED. ENGINE WASHED DOWN. OIL CHANGED  
NEW FILTER. COMPRESSION CHECKED #1  $\frac{75}{100}$  #3  $\frac{74}{80}$  #2  $\frac{74}{80}$  #4  $\frac{79}{100}$   
ALL ADS CHECKED TO DATE. MUFFLER SHOULD BE REPAIRED ✓

I CERTIFY THAT THIS BM HAS BEEN INSPECTED IN

ACCORDANCE WITH Annual

AND WAS DETERMINED

CONDITION DATE 3-10-95

TOTAL TIME IN SERVICE 1933.31

SIGNATURE William J. [Signature]

William J. [Signature]

A & P 2008/11/10

ENG. SER.

NC

DATE 19 <u>48</u>	TACH. TIME	THIS FLIGHT	TOTAL TIME <u>1948.67</u>	REMARKS	SIGNATURE AND CERTIFICATE NO.
5-16	1948.67			<p>New Front Plate For Spinner installed                      Engine Washed Down Oil changed                      Plugs Cleaned Front Oil Seal Replaced.                      Compression checked #174 #376 H 2778 2970                      New Rocker Gaskets Installed Inboard valve checked                      RA Front Drive Replaced Rod op Ok                      W. J. Gorge A &amp; P 2008737 M                      I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED                      ACCORDANCE WITH A <u>Annual</u> INSPECT                      AND WAS DETERMINED TO BE IN AIRWORTH                      CONDITION. DATE <u>5-16-48</u>                      TOTAL TIME IN SERVICE <u>1948.67</u>                      SIGNATURE <u>William J. Gorge</u></p>	<p>WILLIAM J. GORGE                      A &amp; P 2008737 M</p>
<p>FORWARD TOTALS TO TOP OF NEXT LEFT PAGE</p>					

C-1  
DATE  
194  
1963

9  
12



## ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
 EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY  
 WITH NAME, RATING AND CERTIFICATE NUMBER

C-10  
 DATE  
 1947

14.2552A.

1963.9

ENGINE WASHED DOWN NEW AIR FILTER. OIL CHANGED NEW OIL  
 FILTER 4P110 PLUGS CLEANED & GAPED COMPRESSION CHECKED  
 #1  $\frac{74}{80}$  #3  $\frac{74}{80}$  #2  $\frac{72}{80}$  #4  $\frac{68}{80}$  RUN UP OK. TIMING CHECKED  
 GAS SCREEN ON PUMP CLEANED. CONTROLS LUBRICATED MUFFLER INSPECTED  
 ENGINE MOUNTS TOUCHED UP. W. J. GORGE A&P 2006737

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN  
 ACCORDANCE WITH AN ANNUAL INSPECTION  
 AND WAS DETERMINED TO BE ACROSS THE BOARD WORTHY  
 CONDITION. DATE JUNE 17 1997  
 TOTAL TIME IN SERVICE ~~1963-944~~ 1963.9  
 SIGNATURE William J. Gorge

WILLIAM J. GORGE  
 A & P 2006737 IA

9/20

changed engine oil & filters, tach

1987.72 (23.82 hrs)

12/13

changed engine oil & filters, tach

2006.39 (18.67 hrs)

ENG. SER.

NC

DATE 1998	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
1/18	2011.39			Test Run Engine Removed Carbing Removed Carb Sent out for Bench Check Reinstalled Carb Test Run Adjusted mixture and throttle cable ops check ok <i>Wm Losey</i>	
5/25	2014.84			CHANGED OIL & FILTER	Wm LOSEY 222-16-2127
10/15	2034.80		12 HRS	CHANGED OIL & FILTER	Wm LOSEY 222-16-2127
FORWARD TOTALS TO TOP OF NEXT LEFT PAGE					

# MANDATORY SERVICE BULLETINS

NC

ENG. SER.

GIVE A BRIEF DESCRIPTION  
OF COMPLIANCE

SIGNATURE AND CERTIFICATE NO.  
OF MECHANIC OR REPAIR FACILITY

DATE	FACILITY TOTAL TIME	GIVE A BRIEF DESCRIPTION OF COMPLIANCE	SIGNATURE AND CERTIFICATE NO. OF MECHANIC OR REPAIR FACILITY
8/18/98	2022.8	SMOKE 817.8 - COMP CK: 1) 7 + 2) 6 + 3) 20	
4) 20/80		R/R #3 & 4 CYLS w/ NEW MILLENIUM UNITS;	
R/R #3		INTAKE TUBE w/ USED UNIT; CHANGE OIL & CLEAN	
SUMPS & C		SCREENS; CLEAN & GAP PLUGS; R/R CORD	
MOUNTS:		CK AD'S TITAN 98-16; 96-9-6 (BRACKET) N/A;	
77-15-11 (PISTON PIN) N/A		BY LOG CK; 97-1-3 (PISTON PIN)	
SUPR COASA:		96-9-10 (OIL PUMP) DUG @ TBO OR 7/15/01.	
81-15-4R2		SUPERCODED; 95-7-1 (SUPERIOR ROD BOLTS) N/A BY	
LOG CK;		92-12-5 (PISTON PIN) N/A - LOG CK; 91-14-22 (SUDDEN	
STOPPAGE-REC) N/A @ PRESENT;		87-10-6R1 (ROCKER) N/A BY	
LOG CK; ENGINE TEST-RUN, FLOWN,			
CK'S & REPAIRS @ FOR SERVICE.			

I certify that this ENGINE has been inspected to accordance with a visual inspection and was determined to be in airworthy condition. Tech 2022.8 Date 8/18/98

JA 206115

TOUGH



ENG. SER.

## AIRWORTHINESS DIRECTIVES

NC

DATE 19 <u>11</u>	DIRECTIVE NUMBER	GIVE A BRIEF DESCRIPTION OF COMPLIANCE	SIGNATURE AND CERTIFICATE NO. OF MECHANIC OR REPAIR FACILITY
12/5/98	3048.3	REMOVED SUMP, REMOVED & REPLACED OIL QUICK DRAIN, R&R'D SUMP GASKET, CHANGE OIL. A/C TEST-RUN, CHECKED, & RELEASED FOR SERVICE. <u>RW</u> NEW GARDEN AV INC. JA 2061115	
10/1/99	2117.8	COMP CK: 1) 78 2) (52) 3) 76 4) 74/80; CHANGE OIL & FILTER; CLEAN SUMPS & SCREENS; CLEAN & GAP PLUGS; R&R ALT MT, R&R # 2 CYL W/ NEW MILLENNIUM, INCC PISTON. CK'D AD'S TITAN 99-19; 98-23-1 (VAC PUMP) N/A - S/N; 98-17-11 (CRANK BALANCE) N/A - LOG CK; 96-9-10 (OIL PUMP)	
DUG 7/15/01		ON TBO, 91-14-22 (SUDDEN STOP - RECUR) N/A @	
		PRESENT. ENGINE TEST-RUN, CK'D, & RELEASED FOR SERVICE.	I hereby certify that this <u>ENGINE</u> has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition. Tech <u>2117.8</u> Date <u>10/1/99</u> <u>RW</u>
		NEW GARDEN AVIATION TOUGHKENAMON, PA 610-888-0000	JA 2061115



## ENGINE LOG

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS  
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 WITH NAME, RATING AND CERTIFICATE NUMBER

DATE		
1999		
12/28	Replaced STARTER Ring GEAR. INSTALLED SERVICEABLE STARTER M&M-4222K S/N 7072239. R/R ALTERNATOR BELT. C/W AD 82-27-01 McCauley Prop. Dye PENETRANT INSP. SATIP FOR SERVICE NO CRACKS FOUND AT THIS TIME NEXT INSP. DUE TO 2328.12. ENG. GRD. RUN SATIP FOR SERVICE W/O 12648 Canon Reuser ENR 742C	
1999		
2/20	TACH 2082	CHANGED ENGINE OIL WM LOSEY OWNER
6/14	TACH 2108	CHANGE ENGINE OIL WM LOSEY OWNER
2000 YR		
2/16	TACH 2134	CHANGED ENGINE OIL WM LOSEY OWNER
4/28	TACH 2159	CHANGED ENGINE OIL WM LOSEY OWNER
9/4	Tach 2174	Hobbs 508 Chng'd engine oil & filter BID James Owner.

ENG. SER.

## AIRWORTHINESS DIRECTIVES

NC

DATE 19__	DIRECTIVE NUMBER	GIVE A BRIEF DESCRIPTION OF COMPLIANCE	SIGNATURE AND CERTIFICATE NO. OF MECHANIC OR REPAIR FACILITY
2-9-76	75-08-09	Oil pump gears	Pre/Per log book entry TT363
	79-10-03	Lyc	OK by Ser #
	79-15-02	Lyc	OK by Ser #
9-12-80	80-06-05	stick mag	William J Brown Exp 216566945 TT8190
	81-18-04a	Cw log book	

ACCURATE AERO 1990



# SERVICEABLE (COMPONENTS)

Starter  
COMPONENT NAME

Electrosystems  
MFG. NAME

MZ-4222R  
PART NO.

7072239  
SERIAL No.

REPAIRED  OHAULED  TESTED  INSPECTED

The aircraft component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for work performed.

Pertinent details for this component on file under

WORK ORDER NO. Removed from 6970R.

OWNER Paul TSOH 210 hrs.

TECHNICIAN Philip Smedley

INSPECTOR PS DATE 12/14/92

CHESTER COUNTY AVIATION

#1 EARHART DRIVE

COATESVILLE, PA 19320

PHONE 610-384-9000

FAA REP. STATION CCAR742C



