

SEE NEW LOG.

LEFT

DEC 97 →

ENGINE LOG



OWNER

NAME	ADDRESS	Installed in Aircraft No.	Date
1		N80783	
2		N8228T	7-21-93
3			
4			
5			
6			

If this book is found, please return it to the owner.

ENGINE DESCRIPTION

Manufacturer: _____

CONTINENTAL - MOBILE, ALA.

Serial No. _____

315348

Horsepower: _____

220

Model: _____

TSIO-360-KB

FAA T. C. No. _____

E9CE

Engine Accessories	Serial No.	Weight
RAJAY TURBOCHARGER 3AT6EE10J2	0133365	P/N 642721
AIRBORNE VACUUM PUMP 441CC-7	7E-1475	
BENDIX MAG. (L) S6LN-25	A283743	P/N 10-79020-18
BENDIX MAG (R) S6LN-25	A249511 A283742	P/N 10-79020-18
PRESTOLITE ALTERNATOR ALX-9425A	5P000003	
PRESTOLITE STARTER MCL-6501	9P000016	
HARTZELL GOVERNOR		

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

[illegible]

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9 SEPT 82	Brought Forward →			
	REPLACED GASKET ON OIL PRESS RELIEF CAP +			
	GASKET UNDER PLUG ON BOTTOM OF ACCESSORY			
	CASE. GROUND RUN CK OK.			
DATE <u>9 SEPT 82</u> WORK ORDER NO. <u>6884</u> TACH. TIME <u>94.4</u> I CERTIFY THE ABOVE MENTIONED REPAIRS ARE AIRWORTHY. SIGNED: <u>[Signature]</u> FOR AEROPLACE SERVICE, INC. ADDISON AIRPORT - DALLAS, TEXAS REPAIR STATION NO. 202-92				
Total To Carry Forward				

and Remarks

Signature

Certificate No.

9-24-82 Hobbs 114.3

Replaced O.I. Sump Gasket, Accessory
CASE GASKET, AND ALL ACCESSORY PAD GASKETS
FOR OIL leakage. CHG OIL & FILTER
RUN UP AND LEAK CHECK. APPROVED FOR
Return to service. END ~~~~~

B. Warner
A&P 2001524

9-24-82

HOBBS 114.3

C/N AD 82-20-01 PAR 1-9 IMPULSE
INSP.

RK
201469817

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10-7-82	Brought Forward →	137.9		
		50 Hr. Insp performed per DAC		
		Form Post Del. Insp.		
		8915 ASW 15-50		
				T. White
				AP527781950
Total To Carry Forward				

DESCRIPTION OF WORK ACCOMPLISHED

Make McCauley Model 3AF32C508/821...
 S/N 814779 Blades 1. 2. 3. 4.
 Overhauled Blade Replacement Blade Repair Reseal
 Repitch Other operations check, shim blades, dress and balance
 Service Letters 1981-2 Service Manual 751201
 Service Bulletins
 Through AD
 Remarks Operations check, shim blades, dress and balance propeller
 Boot P/N 4E2303-10

and Remarks	Signature	Certificate No.
11-17-82 Hobbs 167.0 Cleaned and rotated spark plugs both engines. Shimmed prop spinner right engine. Tightened gear rod end right door and safetied	Edward J Wolfe	
JAN. 28, 1982 Hobbs: 172.1	AP527 78/950	
REMOVED PROP S/N 814779 FROM L ENG. POSITION FOR REPAIRS. REINSTALLED THIS PROP ON L ENG POSITION AFTER REPAIRS MADE BY AERO PROPELLER UNDER. W.O. W-6696	WORK ORDER NO. <u>9735</u>	
TORQUED HOLD-DOWN NUTS TO 65 FT. LBS.	DATE <u>JAN. 28, 1983</u>	
ENG. GRND RUN CK GOOD. NO LEAKS NOTED.	SIGNED <u>Donald L Schill</u>	
PROP OPERATION CK'D GOOD.	FAA APPROVED REPAIR STATION NO. 4915 AERO ASSOCIATES JEFFCO AIRPORT BROOMFIELD, COLO.	

SEE OTHER SIDE

Maintenance Release

Part Propeller

Model 3AF32C508/82NFA-6

The component identified above was repaired and inspected in accordance with current Federal air regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order No. W-6696

Date 12-9-82

Signed Robert Kessinger
Authorized individual

AERO PROPELLER

120th & Kipling

JEFFERSON COUNTY AIRPORT
BROOMFIELD, COLORADO 80020

(303) 469-1749

FAA APPROVED REPAIR STATION

NO. D03-26

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
JAN. 28, 1983	Brought Forward →	HOBBS: 172.1		
DRAINED OIL. CHECKED & CHANGED OIL FILTER. CK'D & CLEANED COARSE OIL SCREEN. PERFORMED COMPRESSION CK & IS AS FOLLOWS: #1 76/80 #2 76/80 #3 74/80 #4 76/80 #5 76/80 #6 77/80. CK'D EXH. SYSTEM FOR CRACKS, LEAKS, BURNT SPOTS, & TURBOCHARGER COKING. REMOVED & REPLACED #4 CYL. EXH. STACK ASSY. CK'D STARTER & ALTERNATOR FOR SECURITY & LEAKS. REMOVED L+R MAGS. BENDIX S.B. #623 FOUND P/C/W. & S.B. #620 P/C/W. C/W BENDIX S.B. #621 BY INSTALLING P/N 10-606505 WASHERS, C/W BENDIX S.B. #612 INSPECTION & REPAIRING MAGS AS REQ. C/W BENDIX S.B. 599B (A.D. NOTE 78-11-07R2) BY INSP OF IMPULSE COUPLINGS. RTR'D POINTS & CONDENSORS. REINSTALLED MAGS & TIMED MAGS TO 20° BTDC. CK'D & CLEANED ALL FUEL INLET SCREENS, AND FUEL STRAINER. CK'D & CLEANED AIR FILTER ELEMENT. (CONT.)				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
(CONT.) CLEANED, GAPPED, TESTED, ROTATED AND REINSTALLED ALL SPARK PLUGS. CK'D, LUBED, + RIGGED ALL ENGINE CONTROLS. SERVICED ENG. WITH 8 QTS PHILLIPS 66 #20W50XC DET. OIL. REPAIRED LEAKING TURBOCHARGER OIL INLET FITTING	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND FOUND AIRWORTHY. DATE JAN. 28, 1983 TOTAL TIME 172.1 HOBBS: 172.1 A. D. COMPLIANCE THRU 83-01	
ADJUSTED IDLE RPM + HIGH RPM FUEL PRESS. + FUEL FLOW + CK'D + ADJUSTED EXHAUST BY- PASS VALVE ASSY TO OBTAIN 12,500 FT CRITICAL ALTITUDE. C/W A.D. NOTE 82-27-03 BY DYL PENETRANT INSP + BY REPLACING TURBOCHARGER	.. <i>Donald L. Schille</i> CHIEF INSPECTOR AERO ASSOCIATES JETCO AIRPORT BROOMFIELD, COLO. FAA APPROVED REPAIR STATION No. 4915	W.O.'s 9734, 9735, 9757
EXH. HOUSING WITH NEW P/N 643931 HOUSING. ENG. GRND RUN CK GOOD + TURBOCHARGER CK'D GOOD.		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
June 5, 1983	Hourmeter reads 232.2 changed oil and filter, serviced with 8 qts Phillips SAE20W-50 Det oil, compression $\#1 \frac{77}{80}$, $\#2 \frac{77}{80}$, $\#3 \frac{74}{80}$, $\#4 \frac{77}{80}$, $\#5 \frac{72}{80}$, $\#6 \frac{78}{80}$, ck'd exhaust system for cracks, leaks, burnt spots and turbochargers for coking, ck'd starter and alternator for security & leaks, cleaned, gapped, tested, rotated and reinstalled spark plugs, adjusted magneto timing on mag and left magnetos to 20° BTDC, ck'd and cleaned all fuel inlet screens and strainer bowl, cleaned induction air filter element, lubed all engine controls, c/w McCauley Service Bulletin No. 11 by replacement of prop blade counterweight			
Total To Carry Forward				

and Remarks

Signature

Certificate No.

attach bolts, engine ground run
and leak check satisfactory

**I CERTIFY THAT THIS engine
HAS BEEN INSPECTED IN ACCORDANCE
WITH A 100 Hour INSPECTION
AND FOUND AIRWORTHY.**

DATE June 5, 1983

TOTAL TIME 232.2

A. D. COMPLIANCE

THRU 83-10

Michael Shrader

CHIEF INSPECTOR

AERO ASSOCIATES

JEFFCO AIRPORT

W.O# 10023

BROOMFIELD, COLO.

FAA APPROVED REPAIR STATION

No. 4918

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Brought
Forward



Hughes Aviation Services

6005 Las Vegas Blvd. S.
Las Vegas, Nevada 89119

FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORM

N 888VE Mfg. Continental Model TS10-360-KB

S/N 315348 TOT 285.6 Date 09-15-83

W.O. 10370

Changed oil and filter, reserviced with 8 qts Phillips 20-50 XC. Engine leaked checked good on ground run. APPROVED FOR RETURN TO SERVICE.

Calvin J. Plummer



Hughes Aviation Services

6005 Las Vegas Blvd. S.
Las Vegas, Nevada 89119

FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORM

N 888VE Mfg. TCM Model RTS10-360-KB

S/N 315348 TOT 325.2/325.2 Hobbs Date 12-13-83

W.O. 11261

C/W 100 Hour Inspection requirements IAW PA-34-220T inspection guide/Maintenance dtd 7-83. Changed oil and filter, reserviced system with 8 qts Phillip X/C, cleaned, gapped and tested spark plugs, retorqued all intake tubes as required and installed new air filter. All systems ops and leak checked good.

APPROVED FOR RETURN TO SERVICE:

Bryan W. McInnis 12-13-83

Total To
Carry Forward

**Hughes Aviation Services**6005 Las Vegas Blvd South
Post Office Box 18428
Las Vegas Nevada 89114-8428FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORMN # 888VE Mfg. Continental Model TS10-360S/N 315348 W.O.# 12265 DATE 6-18-84HOBBS: 372.2 ACFT TOT: 372.2 ENG. TOT: 372.2

C/W 50 Hour Inspection IAW Piper Inspection guide/maintenance manual dtd 10-79. Changed oil and filter, re-serviced system with 8 qts 50 wt Det. Aeroshell oil. Cleaned, Gapped and Tested spark plugs. Checked mag's for correct timing. All systems ops and leak checked good.

APPROVED FOR RETURN TO SERVICE: *Dave Shultz***Hughes Aviation Services**6005 Las Vegas Blvd South
Post Office Box 18428
Las Vegas Nevada 89114-8428FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORMN # 888VE Mfg. Continental Model TS10-360-KBS/N 315348 W.O.# 12608 DATE 8-17-84HOBBS: 419.0 ACFT TOT: 419.0 ENG. TOT: 419.0

C/W 50 Hour Inspection requirements IAW Piper Inspection Guide Maintenance Manual dtd 7-83. No outstanding A.D.'s. Dressed both props, changed oil and filter, reserviced system with 8 qts. Aeroshell 50W detergent oil. Systems ops and leak checked good. I certify that this Engine has been inspected IAW an Factory Recommended Inspection and was determined to be in airworthy condition.

APPROVED FOR RETURN TO SERVICE: *Dave Kuehn*

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
REPLACED	TACH. GENERATOR	PART #	156572	
4.10.				
Date 10-6-84	Tach 435.7	W/O 11516		
Schneck Aviation, Inc.				
Repair Station #A08-96				
<i>PR Regel</i>				
Authorized Signature				
Total To Carry Forward				



Hughes Aviation Services
6005 Las Vegas Blvd South
Post Office Box 18428
Las Vegas Nevada 89114-8428

FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORM

N # 888VE Mfg. Continental Model TSIO-360-4B
S/N 315348 W.O.# 13464 DATE 1-14-85

HOBBS: 475.3 ACFT TOT: 475.3 ENG. TOT: 475.3

C/W Annual Inspection requirements IAW Piper Inspection Guide/Maintenance Manual dtd July, 83. Change oil, reserviced system with Aeroshell 40 detergent oil, R&R oil filter, inspected old filter for contamination, cleaned fuel injection nozzles, cleaned fuel screens, cleaned and gapped plugs, Check magneto points for condition, Check magneto to engine timing, checked compression; #1 75/80, #2 71/80, #3 68/80, #4 72/80, #5 65/80, #6 68/80, Cleaned engine air filter, removed propeller and desludged crankshaft, replaced propeller using new o-ring and replaced cyl. and #4 exhaust rocker box gasket. All systems ops and leak checked good on ground run. I certify that this Engine has been inspected IAW an Annual Inspection and was determined to be in airworthy condition.

APPROVED FOR RETURN TO SERVICE:



Hughes Aviation Services
6005 Las Vegas Blvd South
Post Office Box 18428
Las Vegas Nevada 89114-8428

FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORM

N # 888VE Mfg. TCM Model TSIO-360-KB
S/N 315348 W.O.# 14943 DATE 9-25-85

HOBBS: 571.4 ACFT TOT: 571.4 ENG. TOT: 571.4

C/W 50 Hour Inspection requirements IAW Piper PA 34-220T Inspection guide/maintenance manual dtd 8-84. Changed engine and filter, Reserviced system with 8 Qts Aeroshell 100 wt oil. All systems ops and leak checked good on ground run, I certify that this engine has been inspected IAW an 50 Hour Inspection and was determined to be in airworthy condition.

APPROVED FOR RETURN TO SERVICE:

ENGINE LOG



Hughes Aviation Services
6005 Las Vegas Blvd South
Post Office Box 18428
Las Vegas Nevada 89114-8428

FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORM

N # 888VE Mfg. TCM Model TSIO-360KB

S/N 315348 W.O.# 00238 DATE 2-06-86

HOBBS: 618.7 ACFT TOT: 618.7 ENG. TOT: 618.7

C/W 100 Hour/Annual Inspection requirements IAW Piper Aircraft PA34-220T Inspection guide/maintenance manual dtd 8-84. Replaced ignition harness end springs(Burn't), replaced spark plugs(Installed RHM38E), replaced turbo gaskets and retorqued to spec's, replaced #5 and #6 cylinder base gaskets and seals due to oil leaks, C/W SOAP sample, Changed engine oil and filter, reserviced system with 8 Qts Aeroshell 100w. C/W Compression ck; #1=70/80, #2= 60, #3=68, #4=78, #5=75 and #6=60. All systems ops and leak checked good on ground run. I certify that this engine has been inspected IAW an 100 Hour/Annual Inspection and was determined to be in airworthy condition.

APPROVED FOR RETURN TO SERVICE: *[Signature]*



Hughes Aviation Services
6005 Las Vegas Blvd South
Post Office Box 18428
Las Vegas Nevada 89114-8428

FAA CERTIFIED REPAIR STATION
#410-02
LOG BOOK SUPPLEMENT FORM

N # 888VE Mfg. TCM Model TSIO-360-KB

S/N 315348 W.O.# 1660 DATE 6-17-86

HOBBS: 685.4 ACFT TOT: 685.4 ENG. TOT: 685.4

Changed engine oil and filter, Reserviced oil system with 8 Qts Aeroshell 100 wt oil. System ops and leak checked good on ground run.

APPROVED FOR RETURN TO SERVICE: *[Signature]*

N888VF

and Remarks

Signature

Certificate No.

changed oil & Filter this date.

Aeroshell 15/50

Hobbs 740.9

Date 12/23/86 Work Order No. 255479Signature Wayne O'Hara

MONARCH AVIATION, INC.

FAA REPAIR STATION #4372

GRAND JUNCTION, COLORADO 81506

11/5/86 HOBBS 749.9. removed rt magnet S/N A783742
 installed overhauled magnet S/N A-249511. - END -

Dale M. Ingram 21543118

12-29-86

Tach 755.0

TKE 755.0

TPP 755.0

I certify that this ^{Eng} aircraft has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition.

Pertinent details of the repairs are on file at this agency under

Work Order No. 25585 Date 12-29-86

Signed Ed Serenella

MONARCH AVIATION, INC.

FAA REPAIR STATION #4372

GRAND JUNCTION, COLORADO

Cleaned and Rescaled injector
 nozzles. c/w AD82-27-03, SL 29.

New Turbine Scroll installed.

Press. checked Exh. Sys.

8 qts Aeroshell 15-50

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1-30-87	Brought Forward	769.8		Lapped Exhaust Valve #1 Cylinder. Compression tested All cyls: 1) 78/80 2) 77/80 3) 77/80 4) 70/80 5) 74/80 6) 70/80. Leo Keyser Monarch Aviation CRS 4372 WO# 25802
Total To Carry Forward				

and Remarks	Signature	Certificate No.
17 MARCH 1987 HOBBS 793.7 INSTALLED TURBOPLUS INC. INTERCOOLER SYSTEM IAW STC SA11694NM. WEIGHT & BALANCE REVISED. SEE 337 DATED 3/11/87. FOR DETAILS SEE PATCO WO # 63583. James Gargley AEP 544820549		
6-17-87 Hobbs - 812.3 Installed Shyden fuel flow transducers in accordance with Shyden Company Report 4052 and S.T.C. SEC246L.		By Roger AEP 547864870FA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/16/87	Brought Forward →	TACH 927.0		Changed oil & Filter 8 qts 15W 50 AeroShell oil
DATE <u>11/16/87</u> TACH <u>927.0</u> ENG TIME <u> </u> W.O.# <u>4167</u> THE MAINTENANCE OPERATIONS DESCRIBED ABOVE WERE INSPECTED AND, WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT AND/OR COMPONENT IS APPROVED FOR RETURN TO SERVICE. DETAILS ARE ON FILE AT THIS AGENCY UNDER ABOVE REFERENCED WORK ORDER. SIGNED <u>Paul M. Edwards</u> FOR AERO SERVICES INT'L, INC. - REPAIR STATION #1191 <u>-J</u>				
Total To Carry Forward				

and Remarks	Signature	Certificate No.																								
7 JAN. 1988 Hobbs 962.6 TT 962.6 CHANGED OIL & FILTER REFILL w/ 8 QTS AEROSHELL 15/50. CLEANED, GAPPED & ROTATED SPARK PLUGS. WASHED & RAN ENGINE - NO LEAKS. FOR DETAILS SEE PATCO W/O 64943. James Gayley ⁵⁴⁴ AIP 0549																										
<table border="1"> <thead> <tr> <th colspan="6">Engine Cylinder Leakage Test</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>72</td> <td>%</td> <td>#2</td> <td>74</td> <td>%</td> </tr> <tr> <td>#3</td> <td>75</td> <td>%</td> <td>#4</td> <td>75</td> <td>%</td> </tr> <tr> <td>#5</td> <td>75</td> <td>%</td> <td>#6</td> <td>75</td> <td>%</td> </tr> </tbody> </table>			Engine Cylinder Leakage Test						#1	72	%	#2	74	%	#3	75	%	#4	75	%	#5	75	%	#6	75	%
Engine Cylinder Leakage Test																										
#1	72	%	#2	74	%																					
#3	75	%	#4	75	%																					
#5	75	%	#6	75	%																					
I certify that this <u>ENG.</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in Airworthy condition.																										
TACH. <u>962.6</u> DATE <u>7 JAN 1988</u> T.T. <u>962.6</u> W/O <u>64943</u> TECH. <u>James G</u>																										
PATTERSON AIRCRAFT CO. Alameda - Sacramento, California Phone 916/428-8907																										

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
MAR 10, 88	Brought Forward →	1,021.7		CHANGED OIL & OIL FILTER.
SERVICED ENGINE WITH 8 QTS PIERCE & WENDELL 15/50. C/W				
AD 78-9-7 MAGNETO IMPULSE COUPLING INSPECTION. (DATED				
17 JAN 83) REPLACED RIGHT MAGNETO IMPULSE COUPLING				
PAWL. INSP. NEXT DUE AT METER 1,521.7. REF PATCO				
W.D. 65028				
APR 20, 1988	1072	1072	1072	CHANGED OIL &
FILTER - SERVICED W/ 8 QTS SHELL 15/50				
Total To Carry Forward				



David H. Hester

an

VICTOR AVIATION SERVICES, INC.
POST OFFICE BOX 50608
1901 EMBARCADERO ROAD
PALO ALTO, CA 94303-0608
TELEPHONE (415) 856-7616
TELEX: 171627



AIRCRAFT ENGINES • COMPONENTS • MAINTENANCE • LYCOMING AND CONTINENTAL SPECIALISTS

8/2/88 WO#6238 TSIO360KB Ser# 315348

Total time to be entered by installing agency.
Engine disassembled and inspected I/A/W T.C.M.
S.B.#84-16. Engine reassembled with the following
new parts, main and rod bearings, rod bolts and
nuts, camshaft, followers, 4ea connecting rods,
seals and gaskets. This engine was test ran
after assembly.

The above component identified was repaired and
inspected I/A/W current Federal Air Regulations
and was found airworthy for return to service for
the work performed. See W.O.# 6238 for details.
Co insp for Victor Aviation

FAA CERTIFIED REPAIR STATION #402-50

Certificate No.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
9-9-88	1108.7	HOBBS	REMOVED AND REINSTALLED	ENGINE FOR SUDDEN STOPPAGE INSPECTION. SEE VICTOR W.O. #6238 AND TAG ON PREVIOUS PAGE DATED 8/2/88. FOR DETAILS SEE PATCO W.O. #65538
				By <i>[Signature]</i> A&P 574586502
Total To Carry Forward				



and Remarks

Signature

Certificate No.

2/14/89 1155.2 TOTAL

C/W ANNUAL INSP USING PIPER INSP FORM

#230 1061.

DATE 2/14/89 AC TIME 1155.2 ENG TIME W.O.#4938

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

SIGNED S. Meyer FOR

AERO SERVICES INT'L, INC. - REPAIR STATION #1191 J

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance		
	This Date	Since Major				
3/8/89	Brought Forward →	REMOVED & REPLACED ALL (12) SPARK PLUGS WITH NEW. OPERATIONAL CHECKS-GOOD				
DATE <u>3/8/89</u> A/C TIME <u>1162.3</u> ENG TIME _____ W.O. # <u>5023</u> THE MAINTENANCE OPERATIONS DESCRIBED ABOVE WERE INSPECTED AND, WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT AND/OR COMPONENT IS APPROVED FOR RETURN TO SERVICE. DETAILS ARE ON FILE AT THIS AGENCY UNDER ABOVE REFERENCED WORK ORDER. SIGNED <u>[Signature]</u> FOR _____ AERO SERVICES INT'L, INC. REPAIR STATION #1191 <u>J</u>						
Total To Carry Forward						

and Remarks

Signature

Certificate No.

6-29-89 METER 33.3 INSTALLED NEW MULTI-SEGMENT
EXHAUST CLAMP AT TURBO INLET. REF PATCO W.O. 66978
J. Paisley REF 1611651



10-12-89 HOBBSMETER 52.3 HRS DRAINED OIL, REMOVED FILTER,
INSPECTED, NO METAL FOUND. INSTALLED NEW CHAMPION CH 48108 OIL
FILTER, & INSTALLED 8 QTS AEROSHELL 15W50 ENGINE OIL. ENGINE
RUN-UP, NO LEAKS FOUND. END

Date 10-12-89 Time 52.3 W.O.# 5349
The aircraft and/or component identified above was repaired and in-
spected in accordance with current FAA Regulations and is approved for
return to service. Pertinent details are on file at the agency under above
work order. Signed *[Signature]* for
AERO SERVICES - REPAIR STATION # JY16 261K

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-27-90	Brought Forward →			Changed oil & filter, serviced with Aeroshell
Hobbs 101.3	154W 50.			Cleaned fuel in Sector nozzles. Cleaned, oiled
IT 1256.5				Spark plugs. Cleaned Turbo inlet ducting. Removed
Pitcow #67835				IT mag for access to Tach generator & removed Tach
				Generator & repaired. Saw nut collar, Reinstalled & secured.
				Reinstalled mag & timed to eng. Replaced #6 Lower
				plug lead. Removed #6 cyl intake rocker cover & stakes
				intake valve due to 4/80. Rechecked compression, 76/80.
				Ground run, no leakage water & all systems op's normal.
				Removed lower center bottom starter adapter & resoldered
Total To Carry Forward				Reinstalled bottom 7 Roman H. Works. A/P 2673415768



and Remarks

Signature

Certificate No.

I certify that this eng has been inspected in
accordance with a Annual inspection and was
determined to be in Airworthy condition.

Installed new oil temp probe



TACH. 101.3 DATE 3-27-90

T.T. 1256.5

W/O 67835

MECH. Thomas H. Webb AP 16734578

PATTERSON AIRCRAFT CO.

Executive Airport, Sacramento, California. Phone 916/428-2209

- END -

4-18-90 installed O.H. Starter & DAPRA Assy.

P.N. 635048 A 20R

Tach: 112.9 TT: 1268.1

JSB Atp 1968610

ENGINE LOG

Left Engine 888VF

Maintenance

Date	Engine Time		Recorder Reading	
	This Date	Since Major		
4/25/90	Brought Forward →	140335	118.0	
INSTALLED MERLYN PRODUCT INC UPPER DECK PRESSURE CONTROL ACCORDING TO STC SE4731 NM				
Hugh Evans 226 4355 HAP				
7-17-90	Hobbs 155.4	Total Time 1310.6		
Changed oil and filter. Inspected oil filter. No metal found.				
Installed new CH48108 oil filter. Serviced engine with 8 qts				
Aeroshell 15w 50 wt oil supplied by customer. Engine Ground ran				
and leak checked good.				
Total To Carry Forward				

Date 7-17-90 A/C Time 1310.6 Eng Time 1310.6 W.O.# 6127

The maintenance operations described above were inspected and, with respect to the work performed, the aircraft and/or component is approved for return to service for discrepant items listed. Details are on file at this agency under the above referenced work order.

Signed Bill Carlow for

AERO SERVICES - REPAIR STATION # JY1 261K

and Remarks

Signature

Certificate No.

4/23/91

Change oil & filter, serviced with Shell 15W50.

Hobbs 211.1

Installed new points in LT mag. Retimed mag.

IT 1366.3

Ground run good. Installed new spark plugs.

Patco WO# 70269

Thomas W. Webb

AP 707345768

I certify that this eng has been inspected in accordance with a Annual inspection and was determined to be in Airworthy condition.

TACH. 211.1

DATE 4/23/91

IT 1366.3

N/O 70269

MECH. Thomas W. Webb AP 707345768

PATTERSON AIRCRAFT CO.

Native Airport, Sacramento, California. Phone 916/428-8298



ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
LT ENGINE — AIRCRAFT LOG BOOK ENTRY N <u>888VF</u> DESCRIPTION OF WORK <u>Removed Fuel</u> — <u>Injectors & cleaned. Resealed</u> <u>1 Rewrapped. Replaced 2 Reference</u> — <u>Seals Ground Run Normal</u> AIRCRAFT RETURNED TO SERVICE: <u>Wall</u> — W.O.# <u>503844</u> DATE <u>4-7-92</u> INSP. <u>_____</u> FLIGHTCRAFT INC./OAKLAND FCP5831D <u>_____</u> — HM/TACH <u>285.3</u> <u>Hobby</u> FLIGHTCRAFT				
<u>3/4/92</u>			<u>280.5</u>	<u>Changed oil & filter</u>
				<u>Dan Miller 5200821801A</u>
Total To Carry Forward				

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

Pertinent details of repair are on file at IN-SIGHT AVIATION, INC. under Work Order No. 2465

1	2	3	4	5	6
68/80	70/80	74/80	72/80	74/80	79/80
COMPRESSION CHECK					

and Remarks

FLIGHTCRAFT

P.O. Box 4186

Oakland, CA 94614

COMPLIED WITH ANNUAL INSPECTION AS PER PIPER CHECKLIST

PIN 2301061 OIL SAMPLES TAKEN. NO OIL CHANGE

DONE AT THIS TIME C/W TEM SB 599D BY INSPECTION OF THE IMPULSE COUPLINGS AS PER

SB 599D NEXT INSPECTION DUE 1993.6.

C/W AD 91-19-03 BY INSPECTION OF OIL FILTERS

PROPER LUB # FILTER INSTALLED. REMOVED STARTER CLUTCH FOR REPAIR REINSTALLED UPON RECEIPT

FROM INSIGHT AVIATION. FAX OF YELLOW TAGS IN BACK OF BOOK. REMOVED #4 CYLINDER DUE

TO LOW COMPRESSION REINSTALLED UPON RECEIPT FROM INSIGHT AVIATION YELLOW TAG IN BACK OF

BOOK. ABOVE COMPRESSION LIST OF #4 CYL

IS AFTER CYLINDER REPAIR REPLACE 2 FUEL

PRESSURE LINES. REPLACED THROTTLE CABLE

DRIVE BOOT. REPLACED FOAM INDUCTION

FILTER. ALL INFORMATION ON WO # 503904

CND

Approved Repair Station No. FCP58310

Airframe — Class 3

Power Plant — Class 1

I certify that this ENGINE has been inspected in accordance with ANNUAL inspection and was

determined to be in Airworthy Condition

Total Time 1443.6 Date 5-5-92

Authorized Signature

W. O.

Mechs. Sign.

Mechs. Sign.

LEFT

This Date		Since Major	Recorder Reading	Maintenance
THIS MAINTENANCE IS CERTIFIED AIRWORTHY. RETURN AIRCRAFT TO SERVICE - SIGN <u>John Hall</u> DATE <u>5-5-92</u> WO. <u>503969F</u> T. TIME <u>1446.0</u> FLIGHTCRAFT Oakland, California FAA A.R.STA. #FCP5831D		SENT OUT TURBO CONTROLLER TO MERLYN PRODUCERS. REINSTALLED AFTER REPAIR yellow TAG ATTACHED. SET UP FUEL FLOWS & PROP RPMs AS PER CONTINENTAL INSTRUCTIONS		
GROUND RUN		NORMAL	END	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
11/3/92 HOBBS 360.4 ENGINE SERVICED WITH 8QTS AEROSHELL 15W50 & CH48108 Filter. ENGINE RUNUP. NO LEAKS Don Miller 5700821801A		
FEB 3, 1993 HOBBS: 373.9 W.O. 71993 1. SECURED DIL FILLER TUBE TO ENGINE CAFE WITH LOCKTITE. TECH: CHUCK SMITH A&P 142303793		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
2/17/93			386.0	Cleaned, gapped, tested & rotated spark plugs Dan Miller 5700825011
JULY 12, 1993. METER: 410.0 W.D. 72140				
1. REMOVED ENGINE FROM LEFT SIDE OF PIPER PA34-RR OT: NBBB VE.				
ENGINE T.T. 1,565.6. T.S.O. N/A.				
TECH: STEVE WILBUR A&P 574204277				
Total To Carry Forward				



and Remarks

Signature

Certificate No.

JULY 20, 1993 METER: 1901.53 W.D. 72180

INSTALLED ENGINE ON LEFT SIDE OF PIPER

PA34TROOT: N18228J. ENGINE T.T. 1,565.6

TECH: BILL SHORES A&P R6R1581B3



ENGINE LOG

te	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		



PATTERSON AVIATION SERVICES
6133 FREEPORT BLVD., SACRAMENTO, CA 95822
FAA APPROVED REPAIR STATION NO. AVUR289C

MODEL PA34-200T S/N 34-8070252 N 8228J
 DATE 7-21-93 W/O # 72180 METER L. 1901.53

1. Installed Throttle Body: P/N: 640563-2, S/N: C198020-8. Installed Fuel Pump: P/N: 639508-2, S/N: C208023B. Installed Manifold Pressure Valve: P/N: 641404-1, S/N: JB0244.
2. Engine Data Plate changed to TSIO-360-KBCEB per TCM Service Bulletin #M75-6R1.

TECH: Bill Shores
 A&P 262158183



Total To
 Carry Forward



PATTERSON AVIATION SERVICES
6133 FREEPORT BLVD., SACRAMENTO, CA 95822
FAA APPROVED REPAIR STATION NO. AVUR289C

Signature

Certificate No.

MODEL PA-34-200T S/N 34-8070252 N 8228J
DATE 7-23-93 W/O # 72180 METER 1901.53

1. C/W 100 Hour Inspection per Patco Inspection Guide.
2. Changed oil & filter. Serviced engine with Aeroshell 15-50.
3. Installed new EGT probe.
4. Fuel Pump S/N: C208023B overhauled By AAA on WOI21,410
5. AD93-10-03 & AD94-04-09 checked: both N/A by S/N.
6. AD 78-09-07 R3 Impulse Coupling Insp. Next Due: 1943.
7. AD 84-26-02 Air Filter Repl. Next Due: 2028.0
8. Installed new alternator, S/N: 912100012.

TECH: Bill Shores
A&P 262158183



ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward			
				
	PATTERSON AVIATION SERVICES 6133 FREEPORT BLVD., SACRAMENTO, CA 95822 FAA APPROVED REPAIR STATION NO. AVUR289C			
	MODEL PA-34	S/N 807052	N 8228J	
	DATE 10-29-93	W/O # 72390	METER 1921.5	
	THIS IS A PERMANENT PART OF THE LEFT ENGINE LOGS Replaced all turbo "Y" and turbo flange gaskets. TECH: Dean Berry A&P: 561192813			
				
Total To Carry Forward				

and Remarks

Signature

Certificate No.

5-7-94

Tach 1949:46

TOTAL TIME 1612

I CERTIFY THAT THIS ENGINE HAS BEEN
INSPECTED IN ACCORDANCE WITH AN ANNUAL
INSPECTION AND WAS FOUND TO BE IN AN
AIRWORTHY CONDITION. COMPRESSION

#1 = $\frac{76}{80}$ 2 = 74 3 = 76 4 = 76 5 = 76 6 = 72

OIL CHANGE AND FILTER. COMPLETE EXHAUST
SYSTEM CHECK. Donald G. Allison

A2P 1481667 I.A.

1-800 562 7746

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6-10-95 TACH 1979				I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition. Compression #1-(74) 2-(74) 3-(76) 4-(74) 5-(72) 6-(74) Complete exhaust system inspection. Changed to manifold gauge lines at engine. Donald H. Allison A2P 1481667 I-A. 1-800 562 7746
Total To Carry Forward				

[illegible]

ENGINE LOG

	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2068.0	Brought Forward →		Comp: #1 77/80, #2 79/80, #3 67/80,	
		#4 78/80, #5 77/80, #6 77/80. CLEANED AND		
A.26 SN A284140		GAPPED PLUGS, REMOVED BOTH MAGNETOS FOR		
8/10-19020-19		500 HR IMPULSE COUPLING INSPECTION. POINTS,		
SOEN-25.		OIL, SEALS, CAM SCREWS AND FELT WASHERS		
SN A284141		REPLACED BY AERO ACCESSORIES. AD 78-09-07R3		
8/10-19020-19		"IMPULSE COUPLINGS" DUE AGAIN AT 2568.0 HRS.		
SOEN-25.		NOTE: NO OIL OR FILTER CHANGE AT THIS TIME.		
		I CERTIFY THAT THIS ENGINE HAS BEEN		
		INSPECTED IN AN ANNUAL INSPECTION,		
Total To Carry Forward				

and Remarks

Signature

Certificate No.

AND IS IN AN AIRWORTHY CONDITION.

W. Moller

AEP 1510862IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1997	Brought Forward →			
DEC 4				Comp: #1 72/80, #2 74/80, #3 78/80, #4 75/80, #5 60/80, #6 -/80. #6 CYLINDER REMOVED DUE TO LOW COMPRESSION. CYLINDER OVERHAULED BY WESTERN CYLINDER OVERHAUL INC. CLEANED AND GAPPED PLUGS. OIL CHANGED (AEROSHELL 100) STRAIGHT MINERAL OIL FOR BREAK-IN. OIL FILTER CHANGED. 1 QUART
Total To Carry Forward				

and Remarks

Signature

Certificate No.

THAT THIS ENGINE HAS BEEN INSPECTED
IAW AN ANNUAL INSPECTION, AND IS IN AN
AIRWORTHY CONDITION.

W. Mallay
A/P 1510862IA.

N388UF LEFT ENGINE AND ACCESSORY AIRWORTHINESS DIRECTIVES

CAT 1 = AIRFRAME
 CAT 2 = ENGINES
 CAT 3 = PROPELLERS
 CAT 4 = ACCESSORIES
 CAT 5 = AVIONICS

A.D.#	AMDCAT	SUBJECT	FREQUENCY	METHOD OF COMPLIANCE	DATE	HOURS	REMARKS
ENGINE A.D.s							
LEFT = MODEL TS10-360-KB S/N 315348							
71-9-3	2	FUEL INJECT. PUMP GASKET	ONE TIME	N/A MODEL			
74-18-7	2	CYLINDER INSP. & REPLACE	ONE TIME	N/A MODEL			
74-18-8	2	PREVENT FUEL LN BREAK.	ONE TIME	N/A MODEL			
81-13-10R1	2	ENGINE OIL PUMP	ONE TIME	N/A SERIAL NUMBER			
81-23-2	2	OIL FILTER ADAPTER GASKET	ONE TIME	N/A SERIAL NUMBER			
ACCESSORY A.D.s							
LEFT ENGINE VACUUM PUMP AIRBORNE MODEL 441CC-7 S/N 11 H 2383							
79-13-8	4	REMOVAL OF DRY AIR PUMPS	ONE TIME	N/A SERIAL NUMBER			
86-1-6 C	4	PREVENT PREMATURE FAILURE	ONE TIME	N/A SERIAL NUMBER			
LEFT ENGINE MAGNETOS = MODEL S6LN-25 L/S/N A283743, R/S/N A249511							
73-7-4	4	BENDIX MAGNETOS	ONE TIME	N/A SERIAL NUMBER			
74-26-9	4	BENDIX MAGNETOS	ONE TIME	N/A MODEL			
79-9-7 R3	4	BENDIX IMPULSE COUPLINGS	500 HRS	INSPECT = WITHIN LIMITS	1/28/83	172.1	SEE REPETITIVE A.D. SHEET
82-20-1	4	BEXDIX IMPULSE COUPLINGS	ONE TIME	INSPECT = WITHIN LIMITS	10/1/82	114.3	ENTERED IN ENGINE LOGS
BRACKET AIR FILTERS MODEL BA-8							
81-15-3	4	AIR FILTER RETAIN SCREEN	ONE TIME	N/A MODEL			
RAJAY TURBOCHARGERS							
LEFT ENGINE MODEL 3AT6EE10J2, S/N 0133365, NEW HOUSING P/N 643931							
65-2-3	4	RAJAY TURBOCHARGER	ONE TIME	N/A MODEL			
82-27-3	4	RAJAY TURBO HOUSING	100 HRS OR FIX	INSPECT+INSTALL HOUSING	1/28/83	172.1	ENTRY IN ENGINE LOGS

CALIFORNIA (415) 468-1705
OUTSIDE CALIFORNIA 800 227-4610

AIRCRAFT TECHNICAL PUBLISHERS
101 SOUTH HILL DRIVE
BRISBANE, CA 94005

LH 315348 (TSIO)
RH 314346 (LFC)

INDEX OF AD'S FULL INDEX	FOR:	TELETYPE 10/LTSIO & TSIO-360/AB	SERIAL NO.	TACH. TIME HOURS AT COMP	METHOD OF COMPLIANCE	TOT ONE TIM
AD NUMBER	D E S C R I P T I O N	GRID LOCATION	DATE OF COMPLIANCE			
54-21-01	* AC DIAPHRAGM - OCCURRENCE OF SEVERE FUEL LEAKAGE IN FLIGHT	2L08	1	NA by MN		1
66-05-04 R	OPERATIONAL CARBURETOR MALFUNCTIONS	2L09/ 2L10	1	NA by Install		1
68-10-03	HUB FAILURE	2L11	1	NA by MN		1
70-14-07 R	FUEL INJECTION PUMP ADJUSTABLE BYPASS NEEDLE	2L12	1	NA by MN		1
71-09-03 RECURRING	FUEL INJECTION PUMP GASKET	2L13/ 2L14	1	NA by MN		1
72-06-05 R	LOOSENESS OR SEPARATION OF THE THROTTLE ARM	2L15/ 2L16	1	NA by Install		1
73-07-04 R	* BENDIX AD- MALFUNCTION OF THE IGNITION COIL OR ROTATING MAGNET	2L17	1	NA by SN		1
74-18-07	CYLINDER REPLACEMENT	2L18	1	NA by MN		1
74-18-08	FUEL NOZZLE LINES	2L19	1	NA by MN		1
74-26-09	* BENDIX AD- MAGNETOS	2L20	1	NA by Setter		1
78-09-07 R2 RECURRING	* BENDIX AD-ENGINE FAILURE RESULTING FROM MAGNETO IMPULSE COUPLING FAILURE	2L21	1	1-28-83		1
80-06-05	SLICK MAGNETO FAILURE	2L22/ 2L24	1	NA by MN		1
81-13-10 R1	ENGINE OIL PUMP DRIVE SHAFT FAILURE AND SUBSEQUENT ENGINE FAILURE DUE TO OIL PRESSURE LOSS	2M01/ 2M03	1	NA by SN		1
81-16-05	MAGNETO FAILURE DUE TO CRACKED COIL	2M04/ 2M05	1	LH NA by SN RH NA by MN		1
81-23-02	FAILURE OF THE OIL FILTER ADAPTER GASKET AND SUBSEQUENT LOSS OF ENGINE OIL	2M06	1	NA by Eng SV		1
82-20-01	* BENDIX AD - TO PREVENT FAILURE OF IMPULSE COUPLING DUE TO IMPROPERLY HEAT TREATED (SOFT) FLYWEIGHTS. CONTD.	2M07/ 2M08	1	NA by Time (over 300 Hrs)		1

INDEX OF: AD'S
FULL INDEX

FOR:

TELEDYNE
17/LTS10 G TS10-360/-AR

SERIAL NO.

TACH. TIME

TOTAL

AD
NUMBER

D E S C R I P T I O N

GRID
LOCATION

DATE OF AT
COMPLIANCE COMP

METHOD OF
COMPLIANCE

ONE
TIME

82-27-03
RECURRING

* ROTJ-MASTER/KAJAY AD. FIRE
IN POWERPLANT NACELLE AND/OR
HEAT DAMAGE TO POWERPLANT
INSTALLATION.

2M09/ 2M12 1-28-83

NA by P/N

*** AIRWORTHINESS DIRECTIVES THAT DO NOT SPECIFICALLY REFER TO THE
AFOREMENTIONED MODEL(S) MAY NOT BE INCLUDED IN THIS INDEX ***
* DENOTES RECURRING INSPECTIONS MAY BE REQUIRED

86-01-06

Vacuum Pump

NA by S/N

91-09-03

Oil Filter

9-26-91

N/A DATE CODE
WUZ NABUY