

ENGINEERING

CD-97

NUMBER EF5

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AIR ASSOCIATES INCORPORATED

TETERBORO, NEW JERSEY

ATLANTA, GEORGIA
Atlanta Municipal Airport
Phone Calhoun 1107

DALLAS, TEXAS
3214 Love Field Drive
Phone Dixon 4-2611

TETERBORO, NEW JERSEY
Teterboro Air Terminal
Phone Hasbrouck Heights 8-1500

CHICAGO, ILLINOIS
5315 West 63rd Street
Phone Portsmouth 7-2800

GLENDALE, CALIFORNIA
1231 Air Way
Phone Citrus 4-4151

MIAMI, FLORIDA
P. O. Box 241, Int'l Airport
Phone Miami 64-4567

ENGINE DESCRIPTION

Mfr. CONTINENTAL Place MUSKEGON, MICH. Date

Type _____ Model IO-420-J Serial No. 85197-0-J

Rated H. P. _____ Maximum H. P. _____ Weight (Dry) _____

Rated R. P. M. _____ Maximum R. P. M. _____ Oil Pressure _____

Bore _____ Stroke _____ Displacement _____

Compression Ratio _____ Supercharger Ratio _____ Gear Ratio _____

Propeller HARTZEL Hub Design 840-48 Hub Serial No. 278U

Blade Design 8447 Blade Serial No. A-15292 Blade Serial No. A-16073

Maximum Hub H. P. _____ Maximum Blade H. P. _____

Pitch _____ Diameter _____ Length _____

Owners Name _____

Address _____

City _____

State _____

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1960											
3-29							8:35		From check-out		
4-1					30		9:05		Acceptance OK	Jm	
4-4					25		9:30		"	Jm	
6-16					45		10:15		Energy - Ret	Dr. J.	
6-29					1:15		11:30		Pushman - Ret	R. J.	
6-30					1:25		12:55		Fuel + Ret.	WJ	
7-15					2:00		14:55		Downlock - Ret	Dr.	
7-25					1:30		16:25		Down	Went	
8-4					1:00		17:25		Down	C. G.	
8-4					2:09		19:34		Down	Went	
8-5					45		20:19		"	Went.	
8-7					3:24		23:43		Other -	C. G.	
BROUGHT FORWARD											
TOTALS											
23 1/2											

PROPELLER INSPECTION AND REPAIRS

I N S P E C T I O N			R E P A I R S		
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE
10-19-69	188576 Hrs.	On Tach.			
	25 Hr. inspection completed this date on per S.O.A.	inspection former. Oil changed and screws inspected.			
	Inspected S.R.F. 50 REG oil shell.				
6-10-71	Welded patch on right exhaust stack away				

I certify that this 444 has been inspected in accordance with a 25 Hr. inspection

and was found to be in airworthy condition

Date 10-19-69 Total Time Aircraft 188576

Engine 829765008

Southern Ohio Aviation Co. FAA Repair Station 4139

Montgomery County Airport, Dayton, Ohio

Signed [Signature] Aut. Person

SOUTHERN OHIO AVIATION CO.

Montgomery County Airport, Dayton, Ohio

FAA Approved Repair Station 4139

Date 6-10-71 Aut. Person [Signature]

Aero Commander Sales - Service

ENGINE LOG

23

ENGINE DESCRIPTION

Mfgr. *Continental*

Place

Date

Type *IO-470-J* Model *IO-470-J* Serial No. *85197-0-J*

Rated H. P. Maximum H. P. Weight (Dry)

Rated R. P. M. Maximum R. P. M. Oil Pressure

Bore Stroke Displacement Cu. In.

Compression Ratio Supercharger Ratio Gear Ratio

Propeller Hub Design Hub Serial No.

Blade Design Blade Serial No. Blade Serial No.

Maximum Hub H. P. Maximum Blade H. P.

Pitch Diameter Length

Owners Name

Address City State

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1-2									REPAIRS - ADJUSTMENTS 1904.76 Hrs. on TACH.		
68									Inspection completed this date as per 5.0.H. Inspection forms, Oil changed and screen inspected. Piston S.F.E. 30 mag. oil SKELL. Clean, repair, & tested all spark plugs. Replaced all intake and exhaust stack seals. Replaced 3-5 washer box cover gaskets. Replaced all bolts in exhaust clamp only. Replaced #2 cyl., piston, and rings.		
<p>I certify that this aircraft has been inspected in accordance with a FAA inspection and was found to be in airworthy condition Date <u>1-2-58</u> Total Time Aircraft <u>SMOH</u> Engine <u>858,76 SMOH</u> Southern Ohio Aviation Co. FAA Repair Station 4139 Montgomery County Airport, Dayton, Ohio Signed <u>R. C. ...</u> Aut. Person</p>											
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENS NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
12-01-08	-		Tach Time = 5282.77		5 MOH = 682.77		Drained oil & Installed				
	New oil		Filter		CH- 48 110-1		And Serviced with 9 qts of Avrosh				
	80 -	46.79	hrs		on Last oil change.		E. J. Ferrell				
1 Sept 09	Tach	Time	5316		SMOH 717.						
			Engine Inspected this date.		Mag		Timing. CRK.				
			Compression 8		#1 72/80 #2 72/80		#3 78/80				
					#4 72/80 #5 72/80		#6 74/80				
					CRK Controls and Lubed.						
			SPARK plugs. cleaned gabbled and Rotated.								
			I certify that this Engine has been Inspected								
			in Accordance with an 100 hour Inspection and with								
			determined to be in Airworthy Condition.								
			BROUGHT FORWARD								
			TOTALS								

E. J. Ferrell
AP365547343A

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
12-9-09									Drained oil & Installed new oil filter CH48110-1 Served with 10 qts AeroShell 50 35 hrs since last oil change	<i>[Signature]</i>	
Asst Book #3 07/03/2015											
BROUGHT FORWARD											
TOTALS											



The Standard

ENGINE FOOD

ASA-SE-2

3

RECORDING TACH TIME **TODAY'S FLIGHT TIME** **TOTAL TIME IN SERVICE**

Description of Inspections, Tests, Repairs and Alterations
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

REG. NO.	N672V
MAKE	TCM
MODEL	IO-470-J
S/N	85197-0-J

MIDWEST AVTECH INC.
 I.V. REGIONAL AIRPORT
 P.O. BOX 451
 PERU, IL 61354

DATE	11/13/15
TACH	5333.1
TT	
CYCLES	

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL W80 - GROUND RUN AND LEAK CHECK GOOD
 THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs - ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

CHARLES M. STUDER *Charles M Studer* A&P 337545845 IA

REG. NO.	N672V
MAKE	TCM
MODEL	IO-470-J
S/N	85197-0-J

MIDWEST AVTECH INC.
 I.V. REGIONAL AIRPORT
 P.O. BOX 451
 PERU, IL 61354

DATE	09/02/16
TACH	5364.2
T.T.	
SMOH	764.2

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL W80 - CHECKED COMPRESSION #1 - 70/80 #2 - 50/80 #3 - 48/80 #4 - 70/80 #5 - 65/80 #6 - 60/80 - CHECKED MAG TIMING - REPLACED ALL 12 SPARK PLUGS (P/N REM38E) - CLEANED FUEL INJECTOR NOZZLES - REPLACED OIL CAP GASKET (P/N 535823) - GROUND RUN AND LEAK CHECK GOOD
 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

WILLIAM E. MIGLIORINI *William E. Migliorini* A&P 360625846 IA

YEAR
20
DATE

REG. NO.	N672V
MAKE	TCM
MODEL	IO-470-J
S/N	85197-0-J

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O. BOX 451
PERU, IL 61354

DATE	07/14/17
TACH	5430.6
T.T.	
SMOH	830.6

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - CHECKED COMPRESSION #1 - 74/80 #2 - 55/80 #3 - 53/80 #4 - 78/80 #5 - 68/80 #6 - 70/80 - CHECKED AND ADJUSTED MAG TIMING - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CLEANED FUEL SCREEN - REPLACED #2, 4 AND #6 PUSH ROD TUBE SEALS (P/Ns 536410 AND 534610) AND REPLACED INTAKE TUBE SEALS (P/N 646103), WASHERS (P/N 534365) AND SPRING WASHERS (P/N 534360) - REPLACED OIL DIPSTICK (P/N 627555A1) - GROUND RUN AND LEAK CHECK GOOD

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

WILLIAM E. MIGLIORINI *William E. Migliorini*

A&P 360625846 IA

REG. NO.	N672V
MAKE	TCM
MODEL	IO-470-J
S/N	85197-0-J

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
4241 ED URBAN DR.
PERU, IL 61354

DATE	01/04/18
HOBBS	5470.3
TT	
CYCLES	

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 AND 1 PT CAMGUARD - REPLACED ALTERNATOR BELT WITH NEW TCM BELT (P/N 539547-31.19) - REPLACED FUEL FLOW DIVIDER WITH OVERHAULED FLOW DIVIDER P/N 631427A22, S/N D309309CA (SEE FORM 8130-3) - GROUND RUN AND LEAK CHECK GOOD

THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs - ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

CHARLES M. STUDER *Charles M. Studer*

A&P 337545845 IA

YEAR 20
DATE

REG. NO.	N672V
MAKE	TCM
MODEL	10-470-J
S/N	85197-0-J

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O. BOX 451
PERU, IL 61354

DATE	09/10/18
TACH	5507.9
T.T.	
SMOH	907.9

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - CHECKED COMPRESSION #1 - 79/80 #2 - 60/80 #3 - 65/80 #4 - 72/80 #5 - 65/80 #6 - 67/80 - CHECKED AND ADJUSTED MAG TIMING - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CLEANED FUEL SCREEN - CW AD 96-12-22 BY INSPECTING OIL FILTER ADAPTER, REPLACED ADAPTER WITH USED SERVICABLE ADAPTER (P/N 1250921-5) AND TORQUE STRIPED NUT, NEXT DUE AT NEXT FILTER CHANGE - GROUND RUN AND LEAK CHECK GOOD

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

10/24/19, Tach: 5561.6, SMOH: 951.6, 10-470-J, s/n 85197-0-J, N672V

Compression 1. 76/80 2. 70/80 3. 62/80 4. 76/80 5. 70/80 6. 66/80. Engine oil and filter changed by owner. Checked magneto to engine timing- ok. Cleaned, gapped and rotated spark plugs. Inspected all controls, mounts, intake, exhaust system, hoses and fasteners. Inspected propeller, spinner and back plate. New 3" scat tube installed from muffler to heater duct. Inspected air filter. Adjusted alternator belt. Other inspections per check list. I certify that this engine and propeller have been inspected in accordance with an annual/100hr inspection and was determined to be in an airworthy condition.

Kurt Leaders IA2714134

Kurt Leaders

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