

PROPELLER MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N4387W
 Propeller Manufacturer McCaughey Hartzell
 Hub Model 2A34C-221 PHC-J34F-1AF1
 Blade Design No. F7663A-2R
 Hub Serial No. 861773 FP 214A

Blade Serial No's.

1. H 45148
2. H 46599
3. H 46586
4. _____

Pitch Range:

High _____ Low _____

Feather _____ Reverse _____

Governor Manufacturer _____

Model No. _____

Serial No. _____

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- ☐ Right ☐ Left
☐ Front ☐ Rear

(All applicable information must be filled in)

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
	1239.9	—	1239.9	TOTALS brought forward from previous page
6/7/91	1268	—	00.0	Volts meter replaced - see acct log. [REDACTED] [REDACTED]
6/27/91	1286	—	18 MX HOURS 00.0	COMPLETED 100 HR / ANNUAL INSPECTION. CHECKED PROP BLADE TRACK DRESSED AND PAINTED PROP. [REDACTED] IA. AERO VENTURE INC. Trenton-Robbinsville Airport Robbinsville, NJ 08691
12/12/91	1379	—	111	Annual inspection. Checked blade track, dress and paint prop. [REDACTED] IA [REDACTED] Removed PROP FOR SUBLOT + REINSTALLED PROP BLADES PROFILED + STATIC BALANCE [REDACTED] REPAIR STATION #EWCD 750D
04-23-93	HOBBS 000.0		HOBBS 369.8	INSTALLED NEW HARTZELL PROPELLER PER STL SA1505GL SIN F214A AIRCRAFT GROWING RUN CRS CRS GOOD. [REDACTED] NO. 0063 SIGNATURE FLIGHT SUPPORT, DWT CRS DC1901K
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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10-21-93	144.4	—	514.2	I certify that this propeller has been inspected in accordance with the Annual Inspection and has been determined to be in an airworthy condition. W.O. 9442
				Murray Aircraft Corp
				C.R.S. 1542282016
				[REDACTED]

BURLINGTON MUNICIPAL AIRPORT
BURLINGTON, N. C. 27215
FAA REPAIR STATION PS4R451M

Dynamic Balanced (1) propeller m/n PHC-J5YF-1PF, s/n EPZ214A
below .18 IPS and added 4 weights on bulkhead at 7:00, under
W.O. # 5124

Kenneth T. Martin, III

[illegible]

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
6 May 94				Overhauled (1) propeller m/n PHC-J34F-1RF s/n FP214A C/W S. B. 118D, 136H, 150, 151A, 155, 165E, S. L. 615, 65C, 148A, S. I. 144G, 170, AD (77-12-06) greased, painted and balanced by H & H Propeller Service Inc under WO# 5747. H & H PROPELLER SERVICE INC. [REDACTED] BURLINGTON MUNICIPAL AIRPORT BURLINGTON, N. C. 27215 FAA REPAIR STATION PS4R451M [REDACTED]
5-11-94		HM 598.7		INSTALL PROPELLER PN=PHC-J34F- 1RF, SN=FP214A ON ACFT N 4387W MOONEY M20K SN=25-1125 TORQUED NUTS TO SPOCS, RUNUP CHECKS GOOD WO 09-1271 SIGNATURE FLIGHT SUPPORT, BWI [REDACTED] CRS DC1R081K
18 May 94		604.05		Installed Dynamic balance equipment only - propeller was in balance Did not balance H & H PROPELLER SERVICE INC. [REDACTED] BURLINGTON MUNICIPAL AIRPORT BURLINGTON, N. C. 27215 FAA REPAIR STATION PS4R451M [REDACTED]
11-4-94	328.2	SMOH 99.3	AC H08BS 698.0	ANNUAL INSPECTION COMPLETED THIS DATE. [REDACTED] CRS D4MR103K WO# 10999
END				
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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4-30-96			859.5	PROP 3/4 FP214A SENT TO SENSENICH PROP SERV. INC FOR REPAIR ONLY ON TAIL R.O. # 100164. GOV 3/4 860493 SENT TO H&H PROP SERV. FOR O/H ON TAIL R.O. 7185. SEE ATTACHED RELEASE TAGS
				Pertinent details of the repair are on file at this agency under work order No. 15800 APR 30 19 96 for Columbia Aircraft Services, Inc. Bloomington, Penna. FAA R.S. JM2R930K
6-2-97	PROP TOTAL 659.0	PROP SINCE 430.1	AC HOURS 1028.8	ANNUAL INSPECTION COMPLETED THIS DATE. REFERENCE WO # 11767 END CAS D41R103K END

Log Book Insert

Make MOONBY M20K Date 12-30-97
 Model M20K W.O. 09-4969
 S/N 25-1125 Actl. 11M-1140.5
 Reg. No. N4387W Ldgs. _____

Signature
 FLIGHT SUPPORT

REMOVE AND REPLACE ONE PROPELLER
 BOOT PN=4E2200-3 SN=194-1364, SEAL O.D. 650.
 OPS CHECK OKAY.

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 # 09-4969 Date 12-30-97 Signed _____
 Signature Flight Support FAA Certified Repair Station # DC12081K
 Location BWI, MD.

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
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6/25/98	2526.5		1285.5	DATE <u>6/25/98</u> TOTAL AIRCRAFT TIME <u>2526.5</u> I CERTIFY THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED [REDACTED] FOR REPAIR STATION L9PR971N
6/18/99	2650.7		1382.7	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION. DATE <u>6/18/99</u> TOTAL TIME <u>1382.7</u> HRS SIGNED [REDACTED] ACP [REDACTED] E.A.
7/10/2000	2791.0		1523.0	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION. PROP SOH 2791.0 DATE <u>7/10/2000</u> TOTAL TIME <u>1523.0</u> HRS SIGNED [REDACTED] ACP [REDACTED] I, M,
8/22/02	2971.5	1104.8	1703.5	Blended blades & inspected hub per Hartzell service manual. Painted blade tips. I certify that this propeller has been inspected in accordance with an Annual Inspection and has been found airworthy this date. [REDACTED] ACP [REDACTED] A.
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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				9/24/03 N4387W Mooney M20K sn 25-1125 Hobbs 1733.10 TSO 1134.4
				Performed 100 hour inspection in accordance with Mooney M20K service manual. Dressed blades. Greased hub. Reglued 1 prop deice boot and installed strap (2E1291). Installed new brush for prop deice (3E1443-7). I certify that this propeller has been inspected in accordance with a 100 hour inspection and is determined to be in airworthy condition.
				[REDACTED] AP for Mod Works, Inc. James Trudeau Punta Gorda, FL.
10/27/04			1759.1	GREASED HUB WITH AEROSHELL 6 GREASE CLEANED & INSPECTED PROP DEICE BRUSHES DRESSED BLADES. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION [REDACTED] A/P [REDACTED]
11/9/05			95.3	GREASED HUB WITH AEROSHELL 6 GREASE, CLEANED & INSPECTED PROP DEICE BRUSHES DRESSED BLADES. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION. [REDACTED] A/P [REDACTED] GREASED HUB WITH A.S. #6, DRESSED BLADES. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED
				SUB-TOTALS this page
				TOTALS —Carry forward to next page

MAJOR REPAIR & ALTERATION FORM

AIRCRAFT

AP INDEX

Date: 02-16-07 **Model:** Mooney M20K **S/N:** 25-1125 **N#** 4387W **W/O#** 6642 **Hobs:** 181.3

Installed:

- PS Engineering PMA8000B audio panel/intercom/marker beacon receiver PN: 430-6100-800-002 in radio stack space provided by manufacturer using existing Marker Beacon antenna.
- Owner supplied Garmin GNS-480 GPS/Com/VOR/LOC/Glide slope transceiver P/N 010-00182-11, in instrument panel radio rack using existing Nav and Comm antennas. Interface to the PMA8000B, KCS 55a HSI, GA 55, GDL-69 existing Nav & Com antennas, 3000U altitude serializer encoder.
- Owner supplied Garmin AT 575 GPS antenna, on top of A/C cabin, interconnected to the 480.
- Garmin GDL 69 XM Satellite weather receiver PN: 011-00986-00 and interface to the MX 20, 3000U and GA 55.
- Garmin GA 55 XM satellite antenna, P/N: 010-10600-01 on top of A/C cabin, interconnected to the GDL 69.
- Owner supplied Garmin MX 20 multifunction display P/N 013-00110-11 in radio stack provided by A/C manufacturer, interfaced to A GDL 69, 3000U, and GNS 480.
- ICARUS 3000U altitude serializer interconnected to the MX 20 and existing encoding altimeter.
- LC-2 internal battery powered clock
- DAC GDC 31 autopilot GPS roll steering computer and annunciator.

New EW: 2122.5 New CG: 44.8

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

Twin Lakes Avionics, CRS: JB4R278M Inspected

			HOURS	
19 JAN 08			261.9	GREASED PROP & DRESSED BLADES & INSPECTED DE ICE BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED TAW & 100 HOUR INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION [REDACTED] A/P [REDACTED]
2 FEB 09			324.9	GREASED PROP & DRESSED BLADES & INSPECTED DE ICE BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED TAW & 100 HR INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION [REDACTED] A/P [REDACTED]
			SUB-TOTALS	this page
			TOTALS—	Carry forward to next page

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16 MAR 10			417.2	GREASED PROPELLER + DRESSED BLADES AND INSPECTED DE-ICE BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100HR INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION. [REDACTED] AIP [REDACTED]
22 MAR 11			476.3	GREASED PROPELLER + DRESSED BLADES AND INSPECTED DE-ICE BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100HR INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION [REDACTED] AIP [REDACTED]
7 APRIL 2012			552.6	GREASED PROPELLER + DRESSED BLADES AND INSPECTED DE-ICE BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100 HR INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION [REDACTED] AIP [REDACTED]
10 MAY 2013			602.7	GREASED PROPELLER ASA 6 + DRESSED BLADES, INSPECTED DEICE BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100 HR INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION [REDACTED] AIP [REDACTED] JH
				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
2014				TOTALS brought forward from previous page
22 MAY 14			624.1	GREASED PROPELLER, DRESSED BLADES & INSPECTED BOOTS I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION [REDACTED] A+P [REDACTED] IA
2 JUN 15			640.1	GREASED PROPELLER & DRESSED BLADES & INSPECTED BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. [REDACTED] A+P [REDACTED] IA



Hartzell Modle PHC-J3YF-1RF T SMOH 0.0 Prop TT

Date: 10/28/2015

Removed propeller for overhaul. Sent to first flight propeller for overhaul (see yellow tag). Propeller TSMOH - 0.0

HOBBS 662.1

 Airline Maintenance Service Inc.
 [REDACTED] Tupelo, MS 38801
www.airlinems.com

Joshua K. Hollis AP [REDACTED]

7/7/16			675.9	GREASED PROPELLER & INSPECTED BOOTS (ASH 6) I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION [REDACTED] A+P [REDACTED] IA
8/16			694.2	GREASED PROPELLER & INSPECTED BOOTS. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100 HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION [REDACTED]
2017				SUB-TOTALS this page A+P [REDACTED] IA
				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
2018		55.1	717.2	TOTALS brought forward from previous page
15/NOV/19			717.2	GREASED PROPELLER, INSPECTED BOOTS, & DRESSED BLADES. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100 HR INSPECTION & DETERMINED TO BE IN AIRWORTHY CONDITION.
				[REDACTED] A/P [REDACTED] 1A

Date: 15FEB2020

HOBBS: 723.2
SPOH: 61.1
PHC-J3YF-1RF
SN: FP214A

Accomplished 100 hour inspection IAW Hartzell service instructions and within the scope and detail of FAR 43(d). Checked all AD's through ATP as of 14FEB2020. I certify this propeller has been inspected IAW a 100 hour inspection and was found to be in airworthy condition at this time.

N4378W

Glenn MacDermod

P

03MAY2021

HOBBS: 726.8
SPOH: 64.7
PHC-J3YF-1RF
SN: FP214A

Accomplished 100 hour inspection IAW Hartzell service instructions and within the scope and detail of FAR 43(d). Checked all AD's through ATP as of 28APR2021. I certify this propeller has been inspected IAW a 100 hour inspection and was found to be in airworthy condition at this time.

N4387W

Glenn MacDermod

AP

N4387W 7/28/22 Hobbs: 733.0 Hrs SPOH: 0 Hrs

Inspected blades and general propeller areas. No damage noted. Inspected attachment hardware, and no defects were found at this at this time. All work done in reference to Hartzell PHE-J3YF-1RF1 Propeller Owner/Operator Manual and FAR 43.9. This PROPELLER has been inspected IAW Annual INSPECTION and is approved for return to service. All AD's CW through this date. Removed and reinstalled propeller for overhaul IAW Monney M20K AMM and Owner/Operator Manual for Overhaul. See H & H log Book for O/H

Keith E Simpson AP [REDACTED] A

MAJOR REPAIR & ALTERATION LOG

AVIONICS

AD INFLA

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
				N4387W 09/08/23 Tach: 736.4 SPOH: 3.4 Hrs Inspected blades, general propeller areas, and lube propeller. No damage noted. Inspected attachment hardware, Boots and Deicing hardware, and no defects were found at this at this time. All work done in reference to Propeller Owner/Operator Manual and FAR 43.9. This PROPELLER has been inspected IAW Annual inspection and is approved for return to service. All AD's CW through this date.  Keith E. Simpson A&P  IA
				SUB-TOTALS this page
				TOTALS —Carry forward to next page