

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**PROPELLER
MAINTENANCE
RECORDS**

INVOICE


SENSENICH PROPELLER SERVICE, INC. L04739

 519 E. Airport Rd., Lititz, PA 17543
 (717) 560-3711 - (800) 462-3412
 Fax: (717) 560-4354

REP. STA. #QV9R194N

 SOLD
 AND/OR
 SHIP TO

 JAMES LOMAX
 NORTH CREEK, NY
 518-251-2145

SHIP TO

 CUSTOMER
 ORDER NO.

518

YOUR ORDER DATE	OUR ORIG. ORDER NO.	S.P. #	OUR ORDER DATE	SHIP VIA	CUST. DEL. DATE	SEN DEL. DATE
	98-1107		12/01/98	OUR DELIVERY		

TERMS:

PAID- VISA

INVOICE DATE

2/24/99

 NOTE: IF "QUANTITY SHIPPED" COLUMN IS NOT
 FILLED IN, YOUR ORDER HAS BEEN SHIPPED
 COMPLETE.

INVOICE NO. SHOW ON REMITTANCE

L04739

ITEM	P/N	DESCRIPTION	PRICE	QUANTITY			AMOUNT
				ORDERED	BACK ORD.	SHIPPED	
	RYAN	NAVION					
		HARTZELL PROPELLER MODEL: HCD2MV20-7D/MV8433N HUB S/N: R36-9 NEW HUB S/N: AVA265 BLADE S/N: E89465, E89461					
		DISASSEMBLE, INSPECT, OVERHAUL, MV MODIFICATION OF BLADES, A/D IS NOW ELIMINATED, INSTALLED NEW HUB, INSTALLED NEW MV MODEL BLADE CLAMPS, NEW PISTON SUPPLIED BY CUSTOMER, ASSEMBLE					
			LABOR(10)				\$1,167.00
			PARTS(20)NEW HUB				2,278.00
			PARTS(20)TWO NEW CLAMPS				2,586.00
			PARTS(20)				1,704.68

							\$7,735.68

Please return old Hub.
Michael Watson

 CONDITIONS: Written permission from the factory must be obtained before
 returning any merchandise. All authorized returns subject to a handling charge
 of 15% plus reconditioning charges. All claims for loss or damage should be
 filed with carrier immediately upon receipt of goods. Our responsibility ceases
 upon delivery in good order to carrier.

 Net 30 days. Delinquent invoices are
 subject to a charge of 1½% per month

 All goods or services covered by this invoice have been manufactured in
 conformance with the Fair Labor Standards Act of 1938 as amended.

 All prices subject to change
 without notice.

 PLEASE PAY
 LAST AMOUNT
 IN THIS COLUMN

PROPELLER MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N 4387K

Propeller Manufacturer HARTZELL

Hub Model ~~HC-12V67D~~ HC-D2MV20-70

Blade Design No. MV8433N

Hub Serial No. ~~R364~~ AVA265

Blade Serial No's.

1. E89465
2. E89461
3. N/A
4. N/A

Pitch Range:

High _____ Low _____

Feather _____ Reverse _____

Governor Manufacturer _____

Model No. _____

Serial No. _____

Date installed on aircraft ~~8-7-87~~ 4-20-99

Time Between Overhauls (TBO) 2,000 Hours

If used on multi-engine aircraft:

- ☐ Right ☐ Left
☐ Front ☐ Rear

(All applicable information must be filled in)

AERO
TECH PUBLICATIONS INC.

PO BOX 1359 / SOUTHOLD, NY 11971-0965

(516) 765-9375

FAX: (516) 765-9359

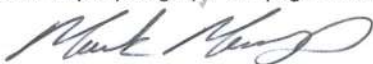
© 1979 AeroTech Publications Inc.

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
02/24/99	Brought Forward	-0-	-N/A-	OVERHAULED/MAJOR INSPECTED BY SENSENICH PROPELLER SERVICE, INC. Hub Serial No. <u>AVA265</u> Blade Ser. No. <u>E89465</u> <u>E89461</u> Complied with AD 97-18-02 per S/B 233. Blades were modified and a new hub & clamps installed. end
				Blade Angles Low _____ High _____ Rev _____ Feather _____ TSO -0- W.O. <u>104739</u> TSN Brought Forward <i>C. Ray Hunt</i> Sensenich Propeller Service Repair Station #QV9R194N
4-20-99	5.75	5.75	2621.48	INSTALLED PROPELLER SER. NO AVA265 PER NAUTION SERVICE MANUAL <i>Jomar ATP 059464945</i>
4-30-00	17.6	17.6	2639.1	REPLACED TACH TACH TIME RESET TO 0.0 <i>Jomar ATP 059464945</i>
4-30-00	17.6	17.6	0.0	
09-13-03	3611	48	0030	I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW WITH AN ANNUAL INSP & WAS FOUND TO BE IN AIRWORTHY CONDITION. <i>Will Plickus ATP 080404515 1A</i>
10-5-05	2644.8 33 3614.8	51.8	33.8	I certify that this propeller has been inspected IAW an annual inspection and was found to be in airworthy condition. <i>Raymond A. Jozys ATP 154805441A</i>
				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
4-3-06	3615.0	52.0	34.0	I certify that this propeller has been inspected I/A/W an annual inspection and was determined to be in an airworthy condition. <i>Raymond A. Jeylo</i> AP15480544IA.
3-23-07	3642.7	78.7	60.7	I certify that this propeller has been inspected I/A/W an annual inspection and was determined to be in an airworthy condition. <i>Raymond A. Jeylo</i> 15480544IA- END
5-30-08	3657.1	92.1	75.1	I certify that this propeller has been inspected I/A/W an annual inspection and was determined to be in an airworthy condition. <i>Raymond A. Jeylo</i> 15480544IA.

04/02/2013 Navion N4387K Propeller TTSH: 0.0 Tach time: 0086.7 Propeller total time: 3668.7
 Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Propeller removed and shipped to New Mexico Aircraft Propeller LLC. For overhaul, see work order #3751.
- 2). Installed overhauled propeller I/A/W Navion M/M section 4 pages 58 through 63. Adjusted ground static RPM I/A/W to 2300+/-25 RPM per paragraph "ai" page 63 of Navion M/M. Test run showed static RPM to be 2305.

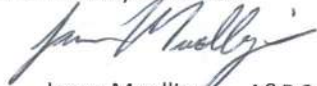


Mark Macey A&P 3418738

end

Propeller TT 3668.7 Tach 86.7 4/4/13

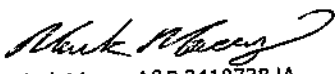
I certify that this propeller has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.



Jason Moellinger A&P 3121407 IA

07/11/2014 Navion N4387K Propeller TTSH: 32.0 Tach time: 118.7 Propeller total time: 3700.7
Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Inspected propeller for damage, cracks or corrosion, none found.
 - 2). Determined AD 2013-15-04 to be N/A per model number. No further action required.
 - 3). Determined AD 97-18-02 to be P/C/W dated 2/24/1999. No further action required.
- For further AD information, see 2014 AD list. I certify that this PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and was determined to be in an airworthy condition.


Mark Macey A&P 3418738 IA

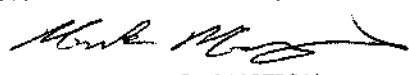
07/20/2015 Navion N4387K Propeller TTSH: 69.6 Tach time: 141.2 Propeller total time: 3723.2
Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Inspected propeller for damage, cracks or corrosion, none found.
 - 2). Determined AD 2013-15-04 to be N/A per model number. No further action required.
 - 3). Determined AD 97-18-02 to be P/C/W dated 2/24/1999. No further action required.
- For further AD information, see AD list. I certify that this PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and was determined to be in an airworthy condition.


Mark Macey A&P 3418738 IA

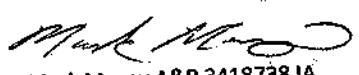
07/16/2016 Navion N4387K Propeller TTSH: 83.6 Tach time: 170.3 Propeller total time: 3752.3
Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Inspected propeller for damage, cracks or corrosion, none found.
 - 2). Determined AD 2013-15-04 to be N/A per model number. No further action required.
 - 3). Determined AD 97-18-02 to be P/C/W dated 2/24/1999. No further action required.
- For further AD information, see AD list. I certify that this PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and was determined to be in an airworthy condition.


Mark Macey A&P 3418738 IA

04/24/2017 Navion N4387K Propeller TTSH: 83.6 Tach time: 170.3 Propeller total time: 3752.3
Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Inspected propeller for damage, cracks or corrosion, none found.
 - 2). Determined AD 2013-15-04 to be N/A per model number. No further action required.
 - 3). Determined AD 97-18-02 to be P/C/W dated 2/24/1999. No further action required.
- For further AD information, see AD list. I certify that this PROPELLER has been inspected I/A/W an ANNUAL INSPECTION and was determined to be in an airworthy condition.


Mark Macey A&P 3418738 IA

PARTS LIST

NEW MEXICO AIRCRAFT PROPELLER, LLC

5 Airport Road • Belen, New Mexico 87002 • (505) 864-4500

NO. 751

Repair Station # N5PR141Y

DATE

MAINTENANCE RELEASE

The aircraft and/or component identified within was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service with respect to work performed. Pertinent details of this repair are on file at this agency.

Part PropellerMOD DMV20-70S/N AVA-265Signature [Signature] Date 12-26-2011

DISCREPANCY:

014 prop

4	A971 Wavon	466	55	513	70
4	A2036-12 Rodd House-19	49	19	56	
11	A2031 Wavon	1	48	5	92
4	A2017 Bello	19	49	19	16
4	A2043-1 Muts	2	54	11	56
6	A285 Pura		56	5	16
2	A295 Javon	41	49	44	48
2	A954 Bloscha	111	53	233	10
4	A931 Javon	5	36	22	00
2	A3317-230 Dany	2	43	5	46
4	B6585-1 Juba		46	3	00
4	B6544 Jaga		75	3	00
2	B6681 Javon	38	45	76	90
4	B6891-1 Javon	1	45	5	00
2	HPI-20 Javon	4	45	8	30

014 propeller as per part call over 1000 01330
 72030. Strongly recommend not blade up
 followed by 1 protection to remove the wing
 5th rod along in 1/2 inch 1/2 inch 1/2 inch
 of over bearing with pins and blade
 south. 2nd blade blade angle 3 advised
 balance of blades

NEW MEXICO AIRCRAFT PROPELLER, LLC

Make Handed W.O. # 3791Model DMV20-70 Serial # AVA265Customer Name Elm Jella

REMARKS

014 propeller as per part call over 1000 01330 2nd
 blade blade angle 3 advised by 1/2 inch 1/2 inch
 5th rod along in 1/2 inch 1/2 inch 1/2 inch
 of over bearing with pins and blade
 south. 2nd blade blade angle 3 advised
 balance of blades

Blade straighten

LABOR	014	1050	
PARTS		1438	60
FREIGHT			
OUTSIDE WORK	8hr	530	00
NDT	Per. Mag. EIT	310	
SHOP SUPPLIES		105	
E.P.A. Rod Blade		240	00
TAX			
TOTAL AMOUNT		3673	60

TOTAL PARTS

05/1/2018 Navion N4387K Propeller TTSH: 90.9 Tach time: 177.6 Propeller total time: 3759.6
Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Inspected propeller for damage, cracks or corrosion, none found.
 - 2). Determined **AD 2013-15-04** to be N/A per model number. No further action required.
 - 3). Determined **AD 97-18-02** to be P/C/W dated 2/24/1999. No further action required.
- For further AD information, see AD list. I certify that this PROPELLER has been inspected I/A/W an **ANNUAL INSPECTION** and was determined to be in an airworthy condition.


Mark Macey A&P 3418738 IA

6/6/2019 Navion N4387K Propeller TTSH: 98.8 Tach time: 185.5 Propeller total time: 3767.5
Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Inspected propeller for damage, cracks or corrosion, none found.
 - 2). Determined **AD 2013-15-04** to be N/A per model number. No further action required.
 - 3). Determined **AD 97-18-02** to be P/C/W dated 2/24/1999. No further action required.
- For further AD information, see AD list. I certify that this PROPELLER has been inspected I/A/W an **ANNUAL INSPECTION** and was determined to be in an airworthy condition.


Mark Macey A&P 3418738 IA

6/26/2020 Navion N4387K Propeller TTSH: 99.6 Tach time: 187.3 Propeller total time: 3769.3
Model: HC-D2MV20-7D Blade Model: MV8433-N Hub S/N: AVA265 Blade S/N: 1)E89461 2)E89465

- 1). Inspected propeller for damage, cracks or corrosion, none found.
 - 2). Determined **AD 2013-15-04** to be N/A per model number. No further action required.
 - 3). Determined **AD 97-18-02** to be P/C/W dated 2/24/1999. No further action required.
- For further AD information, see AD list. I certify that this PROPELLER has been inspected I/A/W an **ANNUAL INSPECTION** and was determined to be in an airworthy condition.

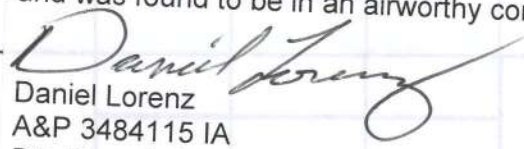

Mark Macey A&P 3418738 IA

Propeller
N4387K

Hartzell HC-D2MV20-7D SN: AVA265
Prop Total Time: UNK SMOH: 107.8 Tach: 194.5

11/1/2021

Removed prop for AD 2013-15-04 Hydraulic bladder diaphragm Eff. Date: 8/30/2013. Replaced hydraulic bladder diaphragm B-119-2. Greased prop with Aeroshell #6 and Hartzell grease A-6741-139-1 for thrust bearing. Reinstalled and torque prop to 450 ft*lb. Test ran - Ops check good. I certify that this propeller has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.


Daniel Lorenz
A&P 3484115 IA
Big River Aviation Sullivan, LLC

SUB-TOTALS

TOTALS - Carry forward to next page

HC-02 MV20-70

MAINTENANCE RELEASE

Part No. MV8433N Description HARTZELL PROPELLER Serial No. AVA265
 was ☐ REPAIRED (describe)

☒ OVERHAULED per the following documents (include revision levels):

Manuals 114B+133C

Service Bulletins Thru 238

Service Letters Thru 183

Service Instructions Thru 212A

Service Advisories Thru 82

The following Airworthiness Directives have been complied with:

A.D. 97-18-02 Method of Compliance S/B 233 Recurs at: non recurring
 Date or Hours

Time Since New Brought Forward Time Since Overhaul/Minor 0
 The item(s) identified above were repaired or overhauled (as indicated) and inspected in accordance with current FAA regulations and are approved for return to service. Pertinent details of this repair or overhaul are on file at this repair station under work order # 104739

Date 02/24/99 Signed C. Paul Breakshire
 for Repair Station #QV9R194N

SENENICH PROPELLER SERVICE, INC.
 519 East Airport Road, Lititz, PA 17543

FORM 004

Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.

14. New ☐
 Newly Overhauled ☐

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.
NOTE: In case of parts to be exported, the special requirements of the importing country have been met.

19. Return to Service in Accordance with FAR 43.9

Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

15. Signature:

16. FAA Authorization No.:

20. Authorized Signature:

21. FAA Repair Station:

IT6R625N

17. Name (Typed or Printed):

18. Date:

22. Name (Typed or Printed):

23. Date:

Paul Breakshire

1/18/99

FAA Form 8130-3 (11-93)

* (Optional) Installer must cross check eligibility with applicable technical data.

FAA Forms 8130-3

Airworthiness Approval Tag

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.