

PROPELLER LOG SCAN

N2287A (formerly N500DH)

Diamond DA40

Airframe SN 40.226

PROPELLER LOG

MT PROPELLER

1. Make

MTV-12-B/80-17

2. Model

P-25NE

3. Specification No.

4. Date of Manufacture

5. Hub Serial No.

02183

6. Blades

(a) Design No.

(b) Blade Serial Nos.

(i)

(ii)

(iii)

(iv)

(v)

(c) Pitch Setting

(i) Basic

(ii) High

(iii) Low

(iv) Reverse

PROPELLER SERVICE AND

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.

BROUGHT FORWARD

09 AUG 2002

8 SEP 02

09-13-2002

11-16-2002

11-15-2002

8-12-2003

7-22-2004

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

4.4

HRS 44.4

TACH 43 3

TACH 69.4

BLADE TT 69 4

HUB TT 393 3

TACH 138 3

BLADE TOTAL 138 3

HUB TT 502 2

229 1

BLADES 229 1

HUB TOTAL 543 0

PROPELLER INSTALLED NEW ON
HOURS BROUGHT FORWARD

DYNAMICALLY BALANCED PROPELLER
ASSY I.A.W. AW 9511-2. FINAL 125
0.03 @ 2000 RPM. ADDED 7 grams
180° A.T.D.C. ON AFT BULKHEAD (AFT)

2342/5042/10042 INSPECTION, REMOVED
REINSTALLED SPINNER. WORK DONE

REMOVED PROPELLER SN 02783
HUB MOD. ~~SN 02783~~ AIP 5674954

INSTALLED PROPELLER MN MTL
SULAVAN PROPELLER 556 (PUMP MT)
"O" SMOK

PERFORMED AN ANNUAL 10042 INS
REINSTALLED SPINNER, GLOWING RUN

PERFORMED AN ANNUAL / 10042 INS
CLEANED HUB, INSPECTED
REINSTALLED SPINNER, GLOWING RUN
END

CARRIED FORWARD

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

ETE

RS

ams

XIAL

ONE

3

9544

1)

00HR

run-up

IL

OK

run-up

OK.

DA40 SN 40.226

SPINNER CHECK HUB & BLADES.

REFERENCE TO DA-40 MAINTENANCE MANUAL

FOR RESSAL AND

12-B SN 18017 AFTER RENOV BY
LO6 BROK BLAND RUN-UP OK

00HR INSPECTION

run-up OP'S CHECK OK.

IL INSPECTION.

run-up OK.

RS
RS

7-9-00

DA
913
DA
913

A: P
564-028690

DATE 09-13-2002

I CERTIFY THAT THIS ~~MAINTENANCE~~
HAS BEEN INSPECTED IN ACCORDANCE
WITH ~~A 100110~~ INSPECTION
AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION.
W.O. 11546 TT 43.3
SIERRA MOUNTAIN AVIATION, INC.

Handwritten signature
A&P 567495144

Handwritten signature

AAP
567495144

DATE 8-12-2003

I CERTIFY THAT THIS ~~MAINTENANCE~~
HAS BEEN INSPECTED IN ACCORDANCE
WITH ~~A 100110~~ INSPECTION
AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION.
W.O. 11785 TT 183.3
SIERRA MOUNTAIN AVIATION, INC.
A&P I.A. 567495144

Handwritten signature

DATE 7-22-2004

I CERTIFY THAT THIS ~~MAINTENANCE~~
HAS BEEN INSPECTED IN ACCORDANCE
WITH ~~A 100110~~ INSPECTION
AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION. H-547.0
W.O. 22117 TT B-223.1
SIERRA MOUNTAIN AVIATION, INC.

Handwritten signature
A&P I.A. 567495144

HOURS.

MAXIMUM HOURS BETWEEN OVERHAULS
OR LIFE

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

**BROUGHT
FORWARD**



Sierra Mountain Aviation, Inc.
13308 Nevada City Ave
Grass Valley, Ca 95945

N500DH Propeller

N500DH Propeller
Tach: 267.0 SPOH: 267.0 Total Time: 267.0
12422

Tach: 267.0 SPOH: 267.0 Total: 534.0
Date: 7/29/2005 Work Order: 12422

Date: 7/29/2005 Work Order: 12422
Performed an Annual Inspection and service per SMA checklist

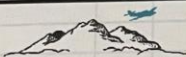
Performed an Annual Inspection and Service
 Profiled leading edges and touched up face paint
 This has been inspected in a

I certify that this propeller has been inspected in accordance with and Annual/100Hr Inspection and was determined to be in airworthy condition

Signature _____

Signature: [Signature]
Carol W. Rose A&P/I.A. 567495144

Sierra Mountain Aviation, Inc. 530.273.5273



Sierra Mountain Aviation, Inc.

13308 Nevada City Ave
Grass Valley, Ca 95945

N500DH Propeller

Tach: 283.2 SPOH:

Date: 08/11/06 Work Order: 12676

Performed an Annual Inspection and service per SMA checklist

Painted propeller face

I certify that this propeller has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition

Signature: _____

Gerald W. Rose A/P I.A. 567495144

Sierra Mountain Aviation, Inc. 530.273.5273



Sierra Mountain Aviation, Inc.

13308 Nevada City Ave
Grass Valley, Ca 95945

N500DH *Propeller*

T/T: 355.1 SPOH: 0

Date: 9/10/07 Work Order: 12935

Performed an Annual Inspection and service per SMA checklist and Diamond 100 Hr checklist

I certify that this propeller has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition

Signature: _____

Gerald W. Rose A/P I.A. 567495144

Sierra Mountain Aviation, Inc. 530.273.5273

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.



Sierra Mountain Aviation, Inc.
13308 Nevada City Ave
Grass Valley, Ca 95945

N500DH Propeller
Tach: 383.8 Prop TTT: 383.8 SMOH: N/A
Date: 10/10/08 Work Order: 13152

Performed a 100 Hr inspection and service per SMA checklist

I certify that this propeller has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition

Signature: Gerald W. Rose
Gerald W. Rose A/P I.A. 567495144 Sierra Mountain Aviation, Inc. 530.273.5273

SIGNATURE

LICENCE
NUMBER

Sierra Mountain Aviation, Inc.
13308 Nevada City Ave
Grass Valley, Ca 95945

N500DH Propeller
Tach: 400.9 Prop TTT: 400.9 SMOH: N/A
Date: 11/02/09 Work Order: 13581

Performed an Annual Inspection per SMA checklist

I certify that this propeller has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition

Signature: Gerald W. Rose
Gerald W. Rose A/P I.A. 567495144 Sierra Mountain Aviation, Inc. 530.273.5273

Registration N500DH
Make Diamond
Model DA40
Serial # 40.226



Date 03/22/12
Prop TTT 412.7
SMOH N/A
Hobbs 136.2
Work Order 21123

I certify that this propeller has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition

Signature: Daniel L. Grass
Daniel L. Grass A/P I.A. 3577254
Sierra Mountain Aviation, Inc. 530.273.5273



Sierra Mountain Aviation, Inc.
13308 Nevada City Ave
Grass Valley, Ca 95945

N500DH Propeller
Prop Total Time: 411.3 Tach: 411.3 SMOH: N/A
Date: 20/4/11 Work Order: 13743

Inspected per TTT, Propeller manual, ATA 61-01-24

I certify that this propeller has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition

Signature: Gerald W. Rose
Gerald W. Rose A/P I.A. 567495144, Sierra Mountain Aviation, Inc. 530.273.5273

Registration N500DH
Make Diamond
Model DA40
Serial # 40.226



Date 05/01/2013
Prop TTT 450.1
Tach 450.1
SMOH N/A
Work Order 21372

Dressed and painted face of propeller

I certify that this propeller has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition

Signature: Daniel L. Grass
Daniel L. Grass A/P I.A. 3577254
Sierra Mountain Aviation, Inc. 530.273.5273

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

This is to certify that this aircraft and power plant and propeller have been inspected in accordance with an annual inspection and was found satisfactory.

To: 478.8 Total Time Aircraft: 478.8

Total Time Power Plant: 478.8

Total Time Propeller: 478.8

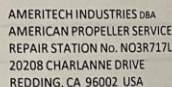
Power Plant Time Since Major Overhaul: 478.8

Propeller Time Since Overhaul: 478.8

Check to: 2014 - 1)
Patrick H. Moore IA 1550834

Patent Attorney

06-06-16



overhaul

SERIAL NO. 071072

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED
AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION
REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER

DATED: 06-06-2016

SIGNED Mike Crowell MIKE CROWELL
(AUTHORIZED INDIVIDUAL) FOR

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LIC
NUM

ACFT Model:	Diamond DA 40	GIBBS SERVICE CENTER		Date:	6-9-2016
Serial No.:	40.226	Montgomery Field, San Diego, CA 92123		W.O. No.:	16-146
Reg. No.:	N555DH N505DH	FAA Approved Repair Station VT3R931L		TPT:	555.3
Prop. Mfr.:	MT Propeller	Prop. Model: MTV-12-B/ 180-17		Prop. S/N:	071072
SMOH:	0.0	Tach: 555.3		Airframe:	555.3
<p>Propeller S/N 02183 removed for O/H and hub replacement. Propeller reinstalled per the DA 40 AMM. Mounting bolts torqued and saftied. Annual inspection completed per the DA 40 AMM, document 6.02.01, rev 7. AD notes checked and are current 6-9-2016. ATP Navigator Content Revision: 5-27-2016.</p>					
<p>The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 16-146</p>					
Date:	6-9-2016	Signed: 		Jeff Runyon 	

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→		147.2	14	
5-3-2020	12.0	P.	150	HR	FROM OVERHAUL TIME
	100	HR	INSPECTION COMPLETE AND PROD		
	DETERMINED AIRWORTHY				
	JAMES SENTER ATP 1582995				
06-01-2021			798.	9	C/W Scope & Detail of Part 43 App. D For 100hr / Annual I Certify that this propeller has been insp. IAW a 100hr. inspection and is in Airworthy Condition. SENTER ATP 3233776.
07-30-2022	894.	0 SN	894.	0	C/W Scope & Detail of Part 43 App. D For 100hr / Annual I Certify that this propeller has been insp. IAW a 100hr. insp. and is in Airworthy Condition SENTER ATP 3233776.
8-1-2023	901.5		346.	2	C/W Scope & Detail of Part 43 App. D For 100hr / Annual I Certify that this propeller has been inspection IAW a 100hr. and determined to be in Airworthy Condition C/W ATP 3233776.

901.5

346.2

c/w scope & Detail of part 43 APP. D 100hr/ann
 to certify that this propeller has been inspected
 a 100hr. and determined to be in Airworthy Condition
 LaMontagne AP 3233716.

(FAR) (Appendix D, Section 43.1)

Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road,
 Springfield, TN 37172 - 615-364-3200

N2287A

TACH: 969.3

MT Propeller, MTV-12-B/180-17, S/N: 071072
 PTT: 969.3

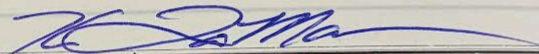
PSMOH: 414.0

August 27, 2024

1. Complied with an Annual Inspection in accordance with our Checklist encompassing the scope and detail of 14CFR (FAR) 43 appendix D with reference to Diamond Model DA40 Maintenance Manual and all applicable ICA's.
2. Researched AD's through bi-weekly 2024-16 and found to be in compliance.
3. Propeller removed and sent for inspection and repair. Reinstalled after repair from Sensenich Propeller Service, WO G31681.

I certify that this Propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Kyle LaMontagne AP / IA 3889107



CARRIED FORWARD

PAGE

FROM
 SUMMARY

L
 FG.

wo: 24-1493

Propeller page 1 of 1

Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200

N2287A
TACH: 1068.9

MT Propeller, MTV-12-B/180-17, S/N: 071072
PTT: 1068.9 PSMOH: 513.6

December 02, 2024

1. Complied with an 100 Hour Inspection in accordance with our Checklist encompassing the scope and detail of 14CFR (FAR) 43 appendix D with reference to Diamond Model DA40 Maintenance Manual and all applicable ICA's.
2. Researched AD's through bi-weekly 2024-23 and found to be in compliance.
I certify that this Propeller has been inspected in accordance with a 100hr Inspection and was determined to be in airworthy condition. Engine run up completed, all systems satisfactory.

Chris Ferraraccio AP / IA 2792477

Volar LLC, 750 Franklin Road, Lebanon, TN 37087

Prop Make/Model: MT Prop/MTV-12-B/180-17 Prop Hub Serial Number: 02183

AFTT: 1168.2 PROPTT: 1168.2 TACH: 1168.2 SMOH: 612.9



- 1) Complied with Annual Inspection under the guidelines of Diamond DA 40 Series Maintenance Manual.
- 2) Researched AD's through bi-weekly 2025-08.
- 3) No AD's required at this time.

I certify that the Propeller identified above has been inspected in accordance with an Annual Inspection as required by 14 CFR Part 43 Appendix D and was determined to be in an airworthy condition. All required maintenance has been performed per the manufacturer's maintenance manuals, Airworthiness Directives (ADs), and FAA-approved data as applicable. All applicable ADs have been complied with at this time, and a list of ADs and their status has been provided to be retained with the maintenance records.

The Aircraft, Engine or Component identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is Approved for Return to Service.

Authorized Person Returning Aircraft to Service: Lawton Matthew Johns A&P/IA (3795040)

Signature: [Signature]

Pertinent details of the repair are on file at Volar LLC under Work Order No: 87A-042325

Date of Return to Service: 5/1/25

wo: 25-1190

Propeller page 1 of 1

Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200

N2287A
TACH: 1218.4

MT Propeller, MTV-12-B/180-17, S/N: 071072
PTT: 1218.4 PSMOH: 663.1

July 23, 2025

Removed prop and sent out for overhaul. Re-installed same prop after IRAN from Sensenich Propeller Service, inc. See W/O: G32898, Form Tracking #: 25-0511.

Engine run up completed, all systems satisfactory.

Aaron Fowler AP 4462170

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

N2287A

Sensenich: MTV-12-B/180-17

S/N, Hub: 07072, Blades No. 1: TB-15924,

No. 2: TB-15925, No. 3: 15926

31 October 2025

TACH: 1265.3, ACFT TTSN: 1265.3, Hobbs: 1460.9

PTSMOH: 710.0, PTT: 1265.3

Performed a 100-hr inspection on propeller with reference to 14 CFR FAR part 43 Appx D.

- Researched and complied with bi-weekly ADs, 2025-21.
- Cleaned and inspected blades.
- Cleaned and inspected mounting hardware and safeties.
- Dressed and sanded blades leading edges, no faults noted.
- Performed engine run-up to make sure propeller makes static RPM to check for abnormal vibration; no defects noted.

I certify this propeller has been inspected with reference to a 100-hour inspection and was found to be in an airworthy condition.

Wesley Shoemaker A&P 4704022

Wesley Shoemaker

INSTALLATIONS, INSPECTIONS,

USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR