

ENGINE JUL-3679-50A

# AIRCRAFT TECHNICAL LOGS

## Section 3. ENGINE

ENGINE LOG

1. Make LYCOMING
2. Model IO-360-M1H
3. Specification 1E10
4. Manufacturer's Serial Number L-31679-51A
5. Date of Manufacture \_\_\_\_\_
6. Aircraft Inspection Cycle \_\_\_\_\_

# ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→		0	0	ENGINE INSTALLED NEW ON DA40
					Engine installation inspected I.A.W. Diamond Aircraft Industries W.O. # 999-1
					Engine service with 8 qts. Of Philips 20W50 Type "M" engine oil.
					Engine break-in I.A.W. Lycoming Service Instruction 1427B,
					FLIGHT TEST COMPLETED
01 NOV 2004			4.5		HOURS BROUGHT FORWARD



MODERN AERO, INC.  
14801 PIONEER TRAIL  
EDEN PRAIRIE, MN 55347  
952-941-2595

N632DS

DATE: 11/23/04

HOBSBS: 25.5  
ENGTT: 25.5

COMPLETED 100HR INSPECTION ON THIS DATE PER DIAMOND DA-40 MAINTENANCE MANUAL. CHANGED OIL AND FILTER. REMOVED OIL SCREEN. CUT OPEN OIL FILTER. NO FAULTS FOUND. SERVICED WITH 8 QTS PHILLIPS 20W50 TYPE M OIL. COMPRESSION RECORD: 1) 77/80 2) 77/80 3) 77/80 4) 78/80. CLEANED AND GAPPED SPARKPLUGS. CLEANED FUEL INLET SCREEN. COMPLIED WITH AD 2002-26-01 ( FUEL INJECTOR LINES). NO DEFECTS NOTED. AD DUE AGAIN AT NEXT ANNUAL, 100HR. INSPECTION OR FUEL LINE MAINTENANCE. RUN-UP OPERATIONAL AND LEAK CHECK OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. MODERN AERO W/O# 32976-1

KEN R FISCHBACH A&P/IA 504925029

*Ken R Fischbach*

321 40.432

H. Hurd  
DA 011

H. Hurd  
DA 011

J A AIR CENTER DuPage Airport/West Chicago, IL. 60185 P 1  
Repair Station #NF2R029L ENGINE LOG #1  
Type DIAMONDSTR DA40 TT  
N # 832DS TSMOH  
S/N 40-432 REC. HR. METER 56

ENGINE MODEL  
ENGINE S/N

OIL CHANGE DUE-  
CHANGED THE OIL AND FILTER. CUT OPEN AND INSPECTED THE OIL  
FILTER. SERVICED WITH 8 QTS. OF 15W50 AEROSHELL. POST RUN  
LEAK CHECK SATISFACTORY  
THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS  
REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS  
OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO  
SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS  
REPAIR STATION UNDER W.O. # 12764 DATE: 12/16/04  
SIGNED: DONALD K. MORGAN *D. Morgan* For  
J.A. AIR CENTER, DUPAGE AIRPORT, W. CHICAGO, IL 60185  
F.A.A. APPROVED REPAIR STATION #NF2R029L

Date: 3/ 8/2005. Aircraft: N832DS, Type: DIAMOND DA 40, S/N: 40.432, Hobbs: 79.3, Total Time: 79.3, Engine -  
Type: IO-360-M1A, S/N: L-31679-51A, Time: 79.3, Prop Type: HC-C2YR-BF, S/N: CH38378B, Time: 79.3  
\*\*\*Engine Work\*\*\* ID 937

Complied with SB 565 Lycoming fuel pump by inspection of fuel pump and found SB not applicable by date code 2404  
stamped on pump, no further action required. *Jan Wengand AP388866678*

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3606 Corben Court  
Madison, WI 53704  
608-268-5003



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Watertown, WI 53094  
920-261-4567

# ENGINE SERVICE AND

Date: 4/7/2005, Aircraft: N832DS, Type: DIAMOND DA 40, S/N: 40.432, Hobbs: 103.9, Total Time: 103.9  
 \*\*\*Engine Work\*\*\* ID 938

Changed oil and filter (CH48110-1), took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Replaced #3 cylinder exhaust stack p/n DA40-2 s/n 18185001 with new. Ground run for ops and leak ck good.

BR  
FOI

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Date: 6/17/2005, Aircraft: N832DS, Type: DIAMOND DA 40, S/N: 40.432, Hobbs: 164.8, Total Time: 164.8  
 \*\*\*Engine Work\*\*\* ID 1075

Changed oil and filter (CH48110-1), cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Replaced #3 EGT probe p/n A002BG-WIP with new. Ground run for ops and leak ck good.

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12-05-2005 Hobbs: 0219.9 Total Time: 0219.9  
 N832DS Lycoming IO-360-M1A SN: L-31679-51A

Compression as follows: 1-76/80, 2-78/80, 3-78/80, 4-76/80. Changed oil and oil filter. Serviced with Aeroshell 15W-50 and AA48110. Serviced and rotated spark plugs. Readjusted magneto timing to 25 BTC. Cleaned fuel injectors. Inspected fuel servo inlet screen. Complied with AD 2002-26-01 E/D 1/31/2003 by inspection of fuel injection lines. **Due again Hobbs: 0319.9** See AD Compliance Record and Recurring Listings for complete status of airworthiness directives. See Beaver Aviation Inc, "Aircraft Inspection Report" for details of this inspection.

I certify this engine has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition.

Eric Nelson AP508211046IA *E. Nelson*  
 Beaver Aviation Inc, N6469 Hwy 26, Juneau WI 53039, 920-386-2636

Date: 1/12/2007; Aircraft: N123TV; Type: DIAMOND DA 40; S/N: 40.432; Hobbs: 308.7; Total Time: 308.7;  
 Engine - Type: IO-360-M1A, S/N: L-31679-51A, Time: 308.7; Prop - Type: HC-C2YR-BF, S/N: CH38378B, Time: 308.7

\*\*\*Engine Work\*\*\* ID 2386

Completed an Annual inspection in accordance with the Diamond DA40 Inspection Form and Service Manual. Changed oil and filter (CH48110-1), took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test as follows: #1) 78/80, #2) 78/80, #3) 78/80, #4) 79/80. Clean, gap and tested spark plugs. Complied with AD 02-28-01 (3/31/06) by visual inspection of fuel injection lines, no defects noted, next due 408.7 ACTT or 1/08. Replaced rocker cover gaskets p/n TS-75906 with new. Checked mag to engine timing. Checked engine control travels and lubricated. Adjusted idle mixture cut off three clicks rich on fuel control, achieve 70 RPM rise. Ground run for ops and leak ck good.

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

Tim McGuire  
 A&P473138392 IA

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N123TV Lycoming IO-360-M1A SN: L-31679-51A  
6-20-2008 Hobbs: 345.3 Total: 345.3  
Compression as follows: 76/80, 2-76/80, 3-76/80, 4-74/80.  
Changed oil and oil filter. Serviced with Aeroshell 15W-50 and AA48110 filter. Cleaned air filter.  
Serviced and rotated spark plugs. Checked magneto to engine timing.  
Complied with AD 2002-26-01 E/D 1/31/2003 by inspection of fuel injection lines. See AD Compliance  
Record and Recurring Listings for complete status of applicable airworthiness directives.  
See Beaver Aviation Inc, "Aircraft Inspection Report" for details of this inspection. I certify this engine  
has been inspected in accordance with an annual inspection and was determined to be in airworthy  
condition.  
Eric Nelson AP5082110461A *E. Nelson*  
Beaver Aviation Inc, N6469 Hwy 26, Juneau WI 53039, 920-386-2636

LICENCE  
NUMBER

Date: 10/01/2010; Aircraft: N123TV; Type: DIAMOND DA 40; S/N: 40.432; Hobbs: 355.9; Total Time: 355.9;  
Engine - Type: IO-360-M1A, S/N: L-31679-51A, Time: 355.9; Prop - Type: HC-C2YR-BF, S/N: CH38378B, Time:  
355.9

\*\*\*Engine Work\*\*\*

Completed an Annual inspection in accordance with the Diamond Aircraft DA40 Inspection Form and Service  
Manual. AD 09-26-12 (2/4/2010) ECI Cylinders not applicable due to ECI cylinders not installed. AD  
07-04-19R1 not applicable by engine model number, year of engine mfg, and no cylinders replaced. AD  
AD08-14-07 superseded AD 02-26-01. The last sign-off for AD 02-26-01 was at 308.7 ACTT. Per the  
requirements of AD 08-14-07 the sign-off for AD08-14-07 is not due until 408.7 ACTT.

Changed oil and filter p/n Ch48110-1, took sample, cut filter, no metal noted, serviced engine with 8 qts.  
15W50 Aeroshell. Ground run for ops and leak checked good. Compression test as follows: #1) 78/80, #2)  
78/80, #3) 76/80, #4) 76/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked  
engine control travels and lubricated.

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

Doug Seibel

A&P389765035 IA

*Doug Seibel* IA389765035

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Date: 10/25/2011; Aircraft: N123TV; Type: DIAMOND DA 40; S/N: 40.432; Hobbs: 383.9; Total Time: 383.9;  
Engine - Type: IO-360-M1A, S/N: L-31679-51A, Time: 383.9; Prop - Type: HC-C2YR-BF, S/N: CH38378B, Time:  
383.9

\*\*\*Engine Work\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D.

Complied with AD 08-14-07 (8/14/08) by visual inspection of fuel injection line, no defects noted. Next due 10/12  
or 483.9

Changed oil and filter p/n Ch48110-1, took sample, cut filter, no metal noted, serviced engine with 8 qts.  
15W50 Aeroshell. Ground run for ops and leak checked good. Compression test as follows: #1) 79/80, #2)  
79/80, #3) 79/80, #4) 79/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked  
engine control travels and lubricated. Replaced throttle cable grommet p/n 561-045-006 with new.

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

Doug Seibel

A&P389765035 IA

*Doug Seibel* IA389765035

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# ENGINE SERVICE AND

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