AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

ENGINE LOG

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

ENGINE SERVICE AND

	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTION	
DATE	HRS.	MIN.	HRS.	MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FO	
ROUGHT		->	0	0	ENGINE MOTHERS NEW	
					W.O. # 999-1	
					Engine service with 8 qts. Of Philips 20W50 Type "M" engine	
		-			Engine break-in I.A.W. Lycoming Service Instruction 1427	
					FLIGHT TEST COMPLETED	
OV 2004			4.	5	HOURS BROWENT FORWARD -	
		N632			DATE: 11/23/04 HOBBS: 25.5 ENGTT: 25.5	
	/\		MAIN		INSPECTION ON THIS DATE PER DIAMOND CE MANUAL. CHANGED OIL AND FILTER.	
		DA-40			CE MANUAL. CHANGED OIL AND TIETER.	
		REMO	D. SE	DIL SCE RVICED	REEN. CUT OPEN OIL FILTER. NO FAULTS WITH 8 QTS PHILLIPS 20W50 TYPE M OIL.	
		REMO FOUN COMP AND	OVED (D. SE. PRESSIC GAPPE LIED V	OIL SCE RVICED ON RECO D SPAI WITH A	REEN. CUT OPEN OIL FILTER. NO FAULTS WITH 8 QTS PHILLIPS 20W50 TYPE M OIL. ORD: 1) 77/80 2) 77/80 3) 77/80 4) 78/80. CLEANED RKPLUGS. CLEANED FUEL INLET SCREEN. D 2002-26-01 (FUEL INJECTOR LINES). NO	
		REMO FOUN COMP AND COMP DEFECTINSPE	DVED (D. SE PRESSIC GAPPE LIED V CTS NO	OIL SCE RVICED ON RECC D SPAI VITH A OTED. A OR	REEN. CUT OPEN OIL FILTER. NO FAULTS WITH 8 QTS PHILLIPS 20W50 TYPE M OIL. ORD: 1) 77/80 2) 77/80 3) 77/80 4) 78/80. CLEANED RKPLUGS. CLEANED FUEL INLET SCREEN. D 2002-26-01 (FUEL INJECTOR LINES). NO D DUE AGAIN AT NEXT ANNUAL, 100HR. FUEL LINE MAINTENANCE. RUN-UP	
		REMO FOUN COMP AND COMP DEFEC INSPE OPERA HAS	OVED (D. SE. PRESSIC GAPPE FLIED V CTS NC CTION ATIONA BEEN	DIL SCE RVICED ON RECC D SPAI WITH A OTED. A OR L AND INSPEC	REEN. CUT OPEN OIL FILTER. NO FAULTS WITH 8 QTS PHILLIPS 20W50 TYPE M OIL. ORD: 1) 77/80 2) 77/80 3) 77/80 4) 78/80. CLEANED RKPLUGS. CLEANED FUEL INLET SCREEN. D 2002-26-01 (FUEL INJECTOR LINES). NO D DUE AGAIN AT NEXT ANNUAL, 100HR.	
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		REMO FOUN COMP AND COMP DEFEC INSPEC OPERA HAS INSPEC CONDI	OVED (D. SE. PRESSIC GAPPE LIED V CTS NO CTION ATIONA BEEN CTION TION.	DIL SCE RVICED ON RECO D SPAH WITH A OTED. A OR L AND INSPEC AND W	REEN. CUT OPEN OIL FILTER. NO FAULTS WITH 8 QTS PHILLIPS 20W50 TYPE M OIL. ORD: 1) 77/80 2) 77/80 3) 77/80 4) 78/80. CLEANED RKPLUGS. CLEANED FUEL INLET SCREEN. D 2002-26-01 (FUEL INJECTOR LINES). NO D DUE AGAIN AT NEXT ANNUAL, 100HR. FUEL LINE MAINTENANCE. RUN-UP LEAK CHECK OK. I CERTIFY THIS ENGINE TED IN ACCORDANCE WITH AN 100HR VAS DETERMINED TO BE IN AIRWORTHY	

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J A AIR CENTE Repair Station Type DIAMONDS	, #NF2R029L	ENGINE LOG #1	P 1	
N # 832DS 5/N 40-432		TSMOH REC. HR. METER	56	
5/N 40-40C	ENGINE MODEL ENGINE S/N			
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CHANGED THE DI	(L AND FILTER. CUT O ED WITH 8 QTS. OF 1	PEN AND INSPECTED TH SW50 AEROSHELL. POST	RUN	
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and the same of the late, All I	ALLTATION AGENTY AN	REPAIR ARE ON FILE	1 21 11 4 11	
DEPAIR STATION	UNDER W.O. # 137/64	DATE: 12/10/04	For	
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J.A. AIR CENTE F.A.A. APPROVE				70.2 Emine
J.A. AIR CENTE F.A.A. APPROVE	3/ 8/2005, Aircraft: N832DS, Ty 0.360,M1A, S/N: 1-31679-51A	DIAMOND DA 40. S/N: 40.4	32, Hobbs: 79.3, Total Tir rr.BF, S/N: CH38378B,	ne: 79.3, Engine - Firme: 79.3
J.A. AIR CENTEL F.A.A. APPROVE Date: Type: Inc. Complie	O-360-M1A, S/N: L-31679-51A ne Work*** ID 937 ed with SB 565 Lycoming fuel p	pe: DIAMOND DA 40, S/N: 40.43 , Time: 79.3, Prop Type: HC-C21 ump by inspection of fuel pump a	I K-DI , SIN. OF ISSUE SE	
J.A. AIR CENTEL F.A.A. APPROVE Date: Type: In the stampe W	O-360-M1A, S/N: L-31679-51A ne Work*** ID 937 ed with SB 565 Lycoming fuel p id on pump, no further action re- lisconsin Aviation - Mac	pe: DIAMOND DA 40, S/N: 40,43, Time: 79.3, Prop Type: HC-C2 ump by inspection of fuel pump a quired.	and found SB not applicable of St. 18 Wisconsin Avia	tion - Watertown
J.A. AIR CENTEL F.A.A. APPROVE Date: 3 Type: In Engli Complies stampe W 36	O-360-M1A, S/N: L-31679-51A ne Work*** ID 937 ed with SB 565 Lycoming fuel p d on pump, no further action re-	pe: DIAMOND DA 40, S/N: 40,43, Time: 79.3, Prop Type: HC-C2 ump by inspection of fuel pump a quired.	and found SB not applicab	tion - Watertown

ENGINE

c	Date: 41 7100							
	***Engine Wo	105. Aircraft:	N832DS, Type:	DIAMOND		2. Hobbs: 103.9, Total T	JUD	And the second
	Changed oil a	ind filter (CH	49110 1	DIAMOND DA	40. S/N 40.43	2. Hobbs: 103.9. Total T	ime: too.	
	Aeroshell, Re	placed #3 c	ylinder exhaust s	ample, cut filte	r. no metal not	ed, serviced engine with a country of with new. Ground run	103.9	
FO	Wiscor	ools 6		MACK P/R DA40	2 s/n BL 85	01 with new. Ground no	gts. 15W50	
				on A			TOT ODS and in-	N123
	Madisc	Corben Co	ourt			Wisconsin Aviat 1741 River Driv	tion - Water	TR 6-20
	608-26	on, WI 53 58-5003	3/04	- 1	44	1741 River Driv	e Marellowu	Com
	333 20	0-3003		4		Watertown, WI	53094	Char
	- 1	T	1 -			920-261-4567	_	Serv
							_	Con
	_ Date: 6/17	/2005, Aircr	aft: N832DS, TV	pe: DIAMOND	DA AD SAN A	0.432, Hobbs: 164.8, Tol		See
	Changed o	Vork ID 1	075		D/1 40. 3/14. 4	0.432, HODDS: 164.8, Tol	tal Time: 164.8	has
			CH48110-1), cut I2BG-WIP with n				V50 Agrantin	con
		SHIP PRINCIPLE	200-WIT WITH I	iew. Ground n	in for ops and	leak ck gopd.	Replaced	Eri
	☐ Wisc	consin Av	riation - Mad	lison 4		- Charlens	C DAZGUSGZ	Be
_	– 3606	6 Corben	Court	iison		WWW VVISconsin A	VIATION INVA.	
	Mad	lison, WI	53704		-41			
	608-	-268-5003	3	4		Watertown,	WI 53094	
						920-261-456	67	
	12-05-2005	** **		732				
	N832DS		s: 0219.9		Time: 0219.9			
	Compression	Lycon	ming IO-360-M	IA SN: L	-31679-51A	th Ates		
3	50 and A A481	10 Somio	1-/6/80, 2-/8/80	0, 3-78/80, 4-7	6/80. Change	ed oil and oil filter. Seri	ved with Aeroshell 15W-	
_	Inspected fuel	servo inlet	screen Compli	ed with AD 2	002 26 01 E	Distriction of the state of the	Cleaned fuel injectors	16
	Due again He	SCI VO IIICI	screen, Compi	ica with AD 2	002-26-01 E/	D 1/31/2003 by inspect	ion of firel injusting	
		thhe atto	Q See AD Com	pliance Decor	d and Danier		on of fuel injection lines .	
	directives. Se	e Beaver Av	viation Inc "Air	rcraft Inspection	on Report" fo	r details of this is	status of airworthiness	_
	directives. Se	e Beaver Av	viation Inc "Air	rcraft Inspection	on Report" fo	r details of this is	status of airworthiness	
	directives. See I certify this er	e Beaver Av	viation Inc "Air	rcraft Inspection	on Report" fo		status of airworthiness	
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	directives. See I certify this en airworthy cone Eric Nelson A Beaver Aviatio	e Beaver Avngine has be dition. P50821104 on Inc, N64	viation Inc, "Air een inspected in 6IA 5 RA 669 Hwy 26, Jur	neau WI 5303	on Report" fo vith an annual 39, 920-386-20	r details of this inspectic inspection and has been	to status of airworthiness on. In determined to be in	
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_	Date: 1/12/ Engine - Tyr 308.7 ***Engine W Compl	re Beaver Average Beaver	viation Inc, "Air een inspected in 6IA	pe: DIAMONE 679-51A, Time	on Report" fovith an annual 9, 920-386-20 DA 40; S/N: e: 308.7; Proposition of the plant ample, cut filte	40.432; Hobbs: 308.7; - Type: HC-C2YR-BF, ond DA40 Inspection For, no metal noted, service.	Total Time: 308.7; S/N: CH38378B, Time:	
_	Date: 1/12/ Engine - Tyr 308.7 ***Engine W Compl Manual. Ch	re Beaver Average Beaver Beave	viation Inc, "Air een inspected in 6IA	pe: DIAMONE 679-51A, Time	D DA 40; S/N: e: 308.7; Proposition of the Diameter of the Dia	40.432; Hobbs: 308.7; - Type: HC-C2YR-BF, ond DA40 Inspection For, no metal noted, serving 18/80, #3) 78/80, #4) 79/	Total Time: 308.7; S/N: CH38378B, Time: orm and Service ced engine with 8 qts. /80. Clean, gap and	
_	Date: 1/12/ Engine - Tyl 308.7 ***Engine W Compl Manual. Ch 15W50 Aero tested spark	re Beaver Averagine has be dition. P50821104 on Inc, N64 /2007; Aircrape: IO-360- Vork*** ID 2: leted an Annianged oil at oshell. Come k plugs. Co	viation Inc, "Air een inspected in 6IA 5 144 169 Hwy 26, Jur aft: N123TV; Ty M1A, S/N: L-31 1986 1996 1997 1998 1997 1998 1997 1998 1997 1998 1997 1998 1997 1998 1997 1998 1997 1998 1997 1998 1998	meau WI 5303 //Pe: DIAMONE 679-51A, Time n accordance with ac	DDA 40; S/N: e: 308.7; Prop with the Diam imple, cut filte () 78/80, #2) 7/ (31/06) by visus	40.432; Hobbs: 308.7; - Type: HC-C2YR-BF, ond DA40 Inspection For, no metal noted, services 18/80, #3) 78/80, #4) 79/al inspection of fuel injection of fuel	Total Time: 308.7; S/N: CH38378B, Time: orm and Service ced engine with 8 qts. /80. Clean, gap and	
_	Date: 1/12/ Engine - Tyr 308.7 ***Engine W Compl Manual. Ch 15W50 Aero tested spark noted, next	re Beaver Averagine has be dition. P50821104 on Inc, N64 /2007; Aircrape: IO-360- Vork*** ID 2: leted an Annuanged oil aroshell. Com k plugs. Codue 408.7 A	viation Inc, "Air een inspected in 6IA 5 144 169 Hwy 26, Jur 1	reraft Inspection accordance with accordance with accordance with accordance maccordance in accordance in accordan	DDA 40; S/N: e: 308.7; Prop with the Diam imple, cut filte D78/80, #2) 7: 11/06) by visuser cover gask	40.432; Hobbs: 308.7; - Type: HC-C2YR-BF, ond DA40 Inspection For, no metal noted, services 1880, #3) 78/80, #4) 79, al inspection of fuel injectets p/n TS-75906 with	Total Time: 308.7; S/N: CH38378B, Time: orm and Service ced engine with 8 ots. //80. Clean, gap and ction lines, no defects new. Checked mag to	
_	Date: 1/12/ Engine - Tyl 308.7 ***Engine W Compl Manual. Ch 15W50 Aero tested spark noted, next engine timing	re Beaver Averagine has be dition. P50821104 on Inc, N64 /2007; Aircrape: IO-360- Vork*** ID 2: leted an Annuanged oil are oshell. Com k plugs. Codue 408.7 Ag., Checked	viation Inc, "Air een inspected in 6IA 5 144 169 Hwy 26, Jur 1	reraft Inspection accordance was mean WI 5303 //Pe: DIAMONE 679-51A, Time in accordance 10-1), took sa s follows: #1) 02-26-01 (3/3) Replaced rock travels and lu	O DA 40; S/N: e: 308.7; Prop with the Diam imple, cut filte () 78/80, #2) 7: str cover gash bricated. Adj	40.432; Hobbs: 308.7; - Type: HC-C2YR-BF, ond DA40 Inspection For, no metal noted, services 1,880, #3) 78/80, #4) 79, al inspection of fuel injectets p/n TS-75906 with usted idle mixture cut of	Total Time: 308.7; S/N: CH38378B, Time: orm and Service ced engine with 8 qts. /80. Clean, gap and	
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SN: L-31679-51A Lycoming 1O-360-M1A LICENCE N123TV Total: 345.3 NUMBER Hobbs: 345.3 6-20-2008 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 Beaver Aviation Inc, N6469 Hwy 26, Juneau WI 53039, 920-386-2636 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 07-04-19R1not 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 Wisconsin Aviation - Watertown Wisconsin Aviation - Madison 3606 Corben Court 1741 River Drive Madison, WI 53704 608-268-5003 Watertown, WI 53094 920-261-4567 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: *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 gts. 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 fravels 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. Duy SM 14389162033 Doug Seibel A&P389765035 IA Wisconsin Aviation - Madison Wisconsin Aviation - Watertown

1741 River Drive

920-261-4567

Watertown, WI 53094

3606 Corben Court

Madison, WI 53704

608-268-5003

ENGINE SERVICE AND

	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS,	
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COM	
 (UREM38E.) See Beaver A I certify this e airworthy cor 	Hobbas followand oil file Checked viation Irengine handition.	ter. Served magnetenc. "Airces been in	TSM 30, 2-77/5 iced with to to enginant Inspersed	n Aerosho ine timing ection Re in accord	9.9 Total: 369.9 80, 4-78/80 ell 15W-50 and AA48110 filter. Replaced all 8 spark plugs g. Inspected air filter. eport" for details of this inspection. ance with an annual inspection and was determined to be in	
10-9-15	Hobbs	: 369	Q	_	plied with AO 2015-19-07 11/3/2015 by Baplionce with 342G. E-Mil AP3455954	