Diamond DA-40-180

N541DS

Technical Logs

Section 3: Engine

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

ENGINE LOG

1.	Make	TEXTRON LYCOMING.
2.	Model	IO-360-MIA.
3.	Specification	1E10
4.	Manufacturer's Serial Number	L-29410-51A.
5.	Date of Manufacture	
6.	Aircraft Inspection Cycle	

ENGINE CRANTSHAFT
SERIAL # V537918689
PER LYCOMING 03/15/06

DATE HRS.		RUN		SINCE	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE	ETE
DATE	HRS.	MIN.	HRS.	MIN.	NOTE. USE BOTH PAGES AND AS MAIN THE	
BROUGHT FORWARD		-	7	.2	Hours Brought Foreward	
			nun	Dian	and	-
ugust 21/01					ust, 2001 S/N: 40041 Reg: N541DS WO#: RO-01-089 Hobbs: 7.2 Engine S/N: L-29410-51A Eng TTSN: 7.2	
			Engin Grou	ne de-preser	rvation carried out per de-preservation check sheet VA-P-09-05. f engine performed. Found to be satisfactory.	
			The f	Harris - CII	B and S/I have been carried out as applicable: Lycoming Mandatory S/B 548 – Engine Driven Fuel Pump	
					nance described above has been performed in accordance with the applicable standards of airworthiness.	(4)
			1	DIAMO	OND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #161-93	
			Sign	ature O	Paleal Almad Lic or Stamp RO6	186
			Sigil	ature		
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yest 23/01			7	2.		_
		-	*****	Diam	end	
1				Date: Au	gust 23, 2001 S/N: 40041 Reg. #: N541DS WO# RO-01-089 Engine S/N: L-29410-51A TTSN: 7.2 Hobbs: 7.2	
			Insti	ructions and	aced with new 2001 Manufactured units per Unison Industries d SLI-96.	
			Nev	LH Mag in	4771 removed S/N: 00070968 nstalled Model 4771 S/N: 01061069 4770 removed S/N: 00070771	
			Nev Eng	DI Mag I	Model 4770 installed S/N: 01060962 timing adjusted. Ground run up of aircraft performed and found to be	
				-	enance described above has been performed in accordance with the applicable standards of airworthiness.	
			1	DIAN	NOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93	
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					CARRIED FORWARD	
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RECORD OF AIRFRAME AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B),

DATE	A/D, S/B, S/I, MODS		DETAILS OF	
				7
	Diamond			
	Date: 21 August, 2001 S/N: 40041 F TTAF: 7.2 Engine S/N: L-:	Reg: N541DS WO#: RO-01-089 Hobbs: 7.2 29410-51A Prop S/N: 00 196	,	
71	The following Service Bulletins / Service In	nstructions have been carried out:		
	DAI SI 40-002 / Lycoming Mandatory S/E replacement – N/A by P/N. DAI SI 40-003 – Vision Microsystem VM1 Bi-weekly AWD check carried out to curre	000 Canacitor check N/A by S/N of DPU .		
	The maintanance described above ha	as been performed in accordance with the ards of airworthiness.		
	T	TRIES D.O.T. APPROVAL #161-93		
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DATE	HRS.	MIN.	HRS.	MIN.	
BROUGHT		→			
2-4-04			18.6		Replaced all value cover gaskets
2-7-0-1					Drained engine oil
					Insp. sump screen
					Replaced oil filter CH48110
					Serviced w/80ts Aeroshell 80M
					Cleaned & Gapped Spark plugs
		+			Replaced plug gaskets
		1			Run-up / Leak Check / Static RPM satisfactor
	-	+			100 decked to date
		-	+		I certify that this engine has been in
		+	-		IAW a 100 hry insp. and was found to be i
	-	+	+	1	an airworthy/condition/
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HRS. MIN. HRS. MIN.	Date: 11/13/2004 Aircraft: N541DS Type: DIAMOND DA 40 S/N: 40041 Hobbs: 82.9, Total Time: 82.9 LYCO 10-360-MIA S/N: L-29410-51A Time: 82.9 LYCO 10-360-MIA S/N: L-29410-51A Time: 82.9 CHANGED OIL AND FILTER SERVICED WITH 8 QUARTS AEROSHELL 15W50 AND A CH48110-1 FILTER. DRTE J J Z ZO Y HENLEY'S TRAINING ACADEMY, INC. 15841 ADDISON, TEXAS 75001 V\$256 03/0 ADDISON, TEXAS 75001 TOMBINSON AVAIDON 2230 Airport Drive Gamesville, TX 76240 940 612-2044 Make: Lycoming Model: 10-360-MIA S/N: L-29410-51A 3/8/2005 Tach & TSN 130.8 This engine inspected within the scope and depth of FAR 43 Appendix D. The following maintenance was performed: Compr.ssion as follows; 41 76/80 72 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #17 76/80 72 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #17 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. #18 76/80 72 75/80 #3 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rota	DATE	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET		
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Date: 11/13/2004 Aircraft: N541DS Type: DIAMOND DA 40 S/N: 40041 Hobbs: 82.9, Total Time: 82.9 LYCO IO-360-MIA S/N: L-29410-51A Time: 82.9 CHANGED OIL AND FILTER SERVICED WITH 8 QUARTS AEROSHELL 15W50 AND A CH48110-1 FILTER. DATE NO. 17 ZOO Y HENLEY'S TRAINING ACADEMY, INC. 15841 ADDISON ROAD ADDISON, TEXAS 75001 CERT NO. 45294-03/0 Make: Lycoming Model: 10-360-MIA S/N: L-29410-51A Make: Lycoming Model: 10-360-MIA S/N: L-29410-51A 3/8/2005 Tach & TSN 130.8 This engine inspected within the scope and depth of FAR 43 Appendix D. The following maintenance was performed: Compression as follows; 41 76/80 #2 75/80 #3 75/80 #4 76/80. Cleaned, gapped and rotated spark plugs. Removed injection rozzles, cleaned, inspected and reinstalled. Drained oil and removed oil filter. Cut filter open and inspected. No metal found. Installed new CH48110-1 oil filter and serviced engine with 8 qs. Aerospecial 15W-50. Ran and leaked checked good. AREN 2006 REMOVE LA SAR CONTROL & SPARTO UMISON AREN 2758000 REMOVE LA SAR CONTROL & SPARTO UMISON AREN 2758000 REMOVE A REMARKE LH MACKETO PN H.T. SIN OSO8290H. TIME LH MAGNETO TO EMB CARRIED FORWARD WILLIAM 8. HEMAS LA MAJ(9+21)	Date: 11/13/2004 Aircraft: N541DS Type: DIAMOND DA 40 S/N: 40041 Hobbs: 82.9, Total Time: 82.9 LYCO 10-360-MIA S/N: L-29410-51A Time: 82.9 LYCO 10-360-MIA S/N: L-29410-51A Time: 82.9 LYCO AND FILTER SERVICED WITH 8 QUARTS AEROSHELL 15W50 AND A CH49110-1 FILTER. DATE No. 17 Zoo Y HENLEY'S TRAINING ACADEMY, INC. 15841 ADDISON ROAD ADDISON, TEXAS 75001 Tomlinson Aviation 2230 Airport Drive Gainesville, TX 76240 940 612-2044 Make: Lycoming Model: 10-360-MIA S/N: L-29410-51A 3/8/2005 Tach & TSN 130 & This engine inspected within the scope and depth of FAR 43 Appendix D. The following maintenance was performed: Compr. ssion as follows; #1 76/80 #2 75/80 #3 75/80 #4 76/80. Cleaned, apped and rotated spark plugs. Removed injector nozzles, cleaned, inspected and reinstalled. Drained oil and removed oil filter. Cut filter open and inspected. No metal found. Installed new CH48110-1 oil filter and serviced engine with 8 qts. Aeroskell 15W-50. Ran and leaked checked good. ABRON 2000 REMOVE IA SAR CONTROL & SINGTO INMSO. AREA TOWN OF REMOVE TO THE HAMBOUTT TO TAKE AREA CONTROLLER. REMOVE TRAINING ACADEMY. ARE THE HAMBOUTT TO TAKE AREA CONTROLLER. RHAMBO THUMB. FING GRY ROW OF CARRIED FORWARD MILLIAM P. HEJMS IA H3194-17. TOTAL	15/04			70				
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AL THIS PAGE WILLIAM P. HELMS 1A 431942170	TOTAL								
OTAL FROM	OTAL FROM VIOUS SUMMARY	AL THIS BACE				- 19	William 1. Wilmer		
	TOTAL TOTAL				-		WILLIAM FI HEMAS IN KULTER)		

REPAIRS, ADJUSTMENTS, MODIFICATIONS NTRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
AERO RESTORATIONS, INC. Addison Airport, Addison, Texas 75001 Engine Log Entry	N541DS Diamond DA40 SN: 041	2/8/9
October 14, 2005 Hour Meter: 260.4 Removed spark plugs. reinstalled and torqued to manufacturer's specifications. Drained oil. C/W oil analysinspected oil filter; no metal found. Installed new CH48110-1 filter and saftied. Ser Aeroshell w100 oil. Removed engine driven fuel pump and replaced with new pump code 2403, IAW Lycoming Direct Drive Overhaul Manual and Lycoming Service Buran engine. Leak check good. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRE THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #	viced engine with 8qts pp p/n LW15473, date illetin #548A. Ground	

Approving national aviation authority/country		7
	Authorization Release Certificate	3. Form tracking No.
4. Approved organization name and old-	TCCA 24-0078	SI053350
Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad	5. Work order/contract/invoice	
London, Ontario N5V 1S2		SI053350
6. Item 7. Description 8. 1 Pneumatic Damper, No Vent 92042400 20	8. Part No. 9. Eligibility * 10. Qty. 11. Serial/batch No. 200-1-425-WG18-400N 1 RC0505591,	12. Status/work
13. Remarks		Manufactured
14. Certifies that the items identified above were manufactured in conformity to:		
Approved design data and are in condition for safe operation	Other regulations specified in block 13	
Non approved design data specified in block 13	Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.	ok 12
15. Authorized Signature 16. Certificate/Approval ref. No.	20. Authorized signature 21. Certificate/Approval ref. No.	ef. No.
18. Date (dd/mmm/yyyy) 18. Date (dd/mmm/yyyy)	22. Name 23. Date (dd/mmas/xyyy)	
	User/Installer Responsibilities	
1 This document does not constitute authority to install the part. 2 Where the installer works in accordance with the national regulations of an airwor authority accepts products or maintenance from the airworthiness authority specifies.	1 This document does not constitute authority to install the part. 2 Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in Block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in Block 1.	thiness
the state of registry, before the aircraft may be flown. *Installer must constitute installation certification. In all cases the aircraft technical record must contain an installation certification, the state of registry, before the aircraft may be flown. *Installer must cross-check elicibility with processed 4.1.1.	ircraft technical record must contain an installation certification, issue accordance with the national regulations of	ations of

RIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE		NUME
WARNING		
When installing drive gear or driver onto magneto, torque 120 to 320 inch lbs. Use only the installation hardware provided. Secure nut with appropriate cotter pin.	nut provided to	
FAA-PMA Approved		
This magneto was manufactured from all new components in accordate Part 21.303h and is airworthy. This magneto is FAA-PMA approved for an Unison Industries' L-1318 Document in the F-1100 Master Service Mar Magnetos, see L-1500 Manual.	ance with 14 CFR oplications listed in hual. For LASAR®	
Enter magneto model, serial number, and date of installation, and attach this tag Magneto Model No. 477/	g to engine logbook.	
Magneto Serial No. 05082904		
Date of Installation 6 SAM 2006		
L-1543-A		
AFRO DESTORATIONS INC	N541DS	
AERO RESTORATIONS, INC. Addison Airport, Addison, Texas 75001	Diamond DA40-180 SN: 40041	
Engine Log Entry		
March 15, 2006 Hour Meter: 333.5	Engine TT: 333.5 ETSN: 333.5	
C/W 100hr inspection IAW Diamond Aircraft DA40-180 Series 00. Performed cylinder compression test as follows: #1 78/80, Removed, cut and inspected filter; no metal found. Installed rengine with 8qts Aeroshell w100 oil. C/W oil analysis. Cleane injectors. Researched compliance of AD 2005-19-11 (crankshamodel. C/W AD 2002-26-01 by inspection of fuel injector lines #342E; no defects noted at this time. Next inspection due in 10	#2 79/80, #3 78/80, #4 78/80. Drained oil. new CH48110-1 filter and saftied. Serviced and regapped spark plugs. Cleaned fuel aft failure); AD does not apply due to engine at IAW I yeoming Mandatory Service Bulletin	
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW A 100HR INSECONDITION. JOSEPH K. SHOBE A&P463119060	PECTION AND WAS FOUND TO BE IN AIRWORTHY	
AEDO DESTODATIONS INC	N541DS	
AERO RESTORATIONS, INC. Addison Airport, Addison, Texas 75001	Diamond DA40 SN: 40041	
Engine Log Entry		+
March 15, 2006 Hour Meter: 333.5 Engine TT 333	Maintenance Manual Inspection Guide	
C/W an annual inspection IAW Diamond Aircraft DA40 Series N		1 1
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REPAIRS, A	ADJUSTMENTS,	is Aircraft Product P. O. Box 117 GLENWOOD, MN 56334 800-443-2136 www.tanisaircraft.com	S F	TANAIR®
FAA APPROVED REPAIR S	MODERN AI 14801 PIONE EDEN PRAIRIE 952-941- TATION MZER198L	W/UPI.IAD 2	tion and illerchange	
N541DS ,	DATE: 08/15/2000	- HOBBS: 400.2		
ENGINE				
TOOK OIL SAMPLE. METAL FOUND IN E INSTALLED THE TA ACCORDANCE WITH	AND REPLACED OIL FI LEMENT RUN ENGINI S100 ENGINE PREHEA H TANIS AIRCRAFT SEI OA MÖDERN AERO W	5W50 AEROSHELL OIL. LTER P'N CH48110-1, NO E AND NO LEARS FOUND, FER SYSTEM S'N 39671 IN RVICES INSTRUCTIONS 10 # 3425.		
A/C Tail #: N541DS	A/C S/N: 4	10.041	Tach Time: 373.8	
ENGINE MODEL: 10-360	0-M1A S/N: L-29410-51A			
	IL SAMPLE. REMOVED OIL I SHELL 15W-50 AND NEW CH	FILTER AND CUT OPEN FOR INSE 48110-1 OIL FILTER. RUN UP AND	PECTION, NO FAULTS FOU LEAK CHECK FOUND TO	IND. -
SATISFACTORY, AARON MURPHY	1/2	The state of the s	SEAR CHECK FOUND IC	, BE -
		-		
1/22/2007	Modern Aero, Inc. I	FAA CRS MZER 198L	Work Order #: 34844	
1/22/2007	Modern Aero, Inc. I	FAA CRS MZER198L		
1/22/2007	Modern Aero, Inc. I	FAA CRS MZER 198L		

	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	
DATE	HRS.	MIN.	HRS.	MIN.		0
E N541DS ENGINE M	10DEL:	10-360-M1		N: L-29410		
FILTER REMO	VED ANL	DINSTALL	ED SOCI	ION SCICE	DRAINED OIL. TOOK OIL SAMPLE. REMOVED AND CUT OPEN OIL EEN. NO FAULTS FOUND. INSTALLED NEW CH48110-1 OIL FILTER. RESSION TEST AS FOLLOWS: #1 78/80, #2 74/80 #3 74/80, #4 74/80. ITS PERFORMED A 400 HR VISUAL INSPECTION OF THE VAVLES	
REPLACED AL PER DIAMOND EXHAUST SYS' DEFECTS NOT	L INTAKI CHECKI TEM. NO ED. AD D	E PIPE O-R LIST AND FAULTS I DUE AGAIN	MM. CLE OUND. C AT NEX	ANED FUI COMPLIED T ANNUA	EL INLET FILTER. COMPLIED WITH MSB 40-33 BY INSPECTING D WITH AD 2002-26-01 (FUEL INJECTION LINES) PER SB 342E. NO AL, 100 HR. INSPECTION, OR FUEL LINE MAINTENANCE. RUN-UP ALD DE SATISFACTORY LOEPTIEY THAT THIS FINGINE HAS BEEN	
INSPECTED IN CONDITION. R	ACCORT	CE MODEI	TH AN AI RN AERO	NNUAL II	ASPECTION AND WAS DISTERNAL TO THE TENTH OF	1=
AARON MURP		M			8198L Work Order #: 35034 A/F TT: 394.1	1
5/14/2007	Mod	dern Aero, l	nc. FA(A)	IRS MZER	Work Order #. 33034	
		20 T	-			
		1	I	1		777
		Instrum	ent was	renaired	Engine, Propeller, Appliance, Radio or and inspected in accordance with current al Aviation Administration and with respect	
		to the v	vork perf	formed is	s approved for return to service by Modern MZER198L	,
			1/2/10	12	35348 Work Order	
		Author	ized By		Work Order	
		Date:	8,16,	07 N#	5410S Acft Hrs: 453.2	1
			1			
						100
	ond DA4	10	refer the	- galacer con	N541DS Hobbs: 558.3	
S/N: 4 Engin		IO-360-M	1A		08-16-07 S/N: L-29410-51A	10
		e followin			ple. Removed the old filter and cut open the filter, found no metal.	18
	Insta	alled a nev	v oil filte	r (P/N: C	H48110-1) and serviced the engine with 8 quarts of Aeroshell were satisfactory.	
					Modern Aero, Inc. 14801 Pioneer Trail	1,500
			landyspolice is a Organi		Eden Prairie, MN 55347	
		7			48 Date: 08-16-07 CRS MZER198L	
	1	1	1	1	1998 232 45107 24 25107 241	
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	+	+-		-		
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	-	_		+-	CARRIED FORWARD	
bec			1		OANITEO TOTAL	- le
TOTAL THIS PAG	E					
TOTAL FROM PREVIOUS SUMMAN	RY					
TOTAL SINCE MFG.						

ENT		ADJUSTMENTS, MODIFICATIONS HROUGH ANY UNUSED LINES IN DATE	AND TIME COLUMNS.	SIGNATURE	LICENCE
	ENGINE MODEL: ENGINE S/N: L-29410-51A REG. NO: 541DS WORK ORDER: 1835-02-2008 Engine Entries REPLACED ALL SPARK PLUGS W/ NE		DD.	DATE: 2/25/2008 A/C TSN ENG TT HOBBS: 629.9	
	DATE: 2/25/2008 SIGNE	D: Pervice with reference to work performed on this W/O on the Barcenas, A&P: 2738632		der: 1835-02-2008	
	ENGINE MODEL: 10-360-M1A ENGINE S/N. L-29410-51A REG. NO: 541DS WORK ORDER: 2071-05-2008	Premier Aircraft Service,. Inc. 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 334-2393		DATE: 5/28/2008 A/C TSN: 544.7 ENG TT: 544.7 TACH: 544.7	
0	EARAGE STATEM. NO LEARS NOTE INJECTION LINE AND CLAMP INSPEC DEFECTS NOTED. NEXT DUE 100 HO FAR 43 APENDIX d AND DA40 MM CH	ISPECTION. INSTALLED NEW MUFFLER BR ID CHECKED LASAR MAG TIMING C/W A TION IAW LYCOMING SB 342E. ADJUSTED O URS FROM THIS TIME C/W ANNUAL INSP IAPTER 5 INSPECTION GUIDE. SERVICED E E WAS GROUND RUN AND LEAK CHECKED	A.D. 2002-26-01 LYCOMING CLAMP POSITIONS. NO O' PECTION ON THIS ENGINE PNGINE WITH 8 OTS 20W	FUEL THER I.A.W WITH	
	Maintenance Release	rdance with an ANNUAL INSPECTION and found to be S RELEASE IN NO WAY CERTIFIES FUTURE AIRWO	e in airworthy condition on this d	ate. Aircraft is	
	DATE: 5/28/2008 SIGNED Jack Wes	0: 4 U U U U Date A. 456967085	Work Ord	er: 2071-05-2008 datcomedia.com)	
				ļ	
	ENGINE MODEL: 10-360-M1A ENGINE S/N: L-29410-51A REG. NO: 541DS WORK ORDER: 2432-10-2008			DATE: 10/10/2008 A/C TSN: 592 9 ENG TT: 592 9 TACH: 592.9	
	Engine Entries CHANGED OIL AND FILTER, SER	VICED WITH 8 QTS PHILLIPS 20W-50 XC. IN EN FOR CONTAMINATION. NONE FOUND.	STALLED NEW OIL FILTE TEST RAN ENGINE. NO (R. INSPECTED DIL LEAKS NOTED.	
		LEAK CHECKED OK. APPROVED FOR RETURN TO			
		RANNEY, A&P: 2773237		Order: 2432-10-2008 s 3 (datcomedia.com)	

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS,

	TIME	RUN		SINCE RH AUL	INSTA	ALLATIONS, INSPECTIONS, AND AS MANY LINES AS REQUIRED FOR COMPLETI	
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES A	NO AS MAIN CONTRACT	
ROUGHT		→					
ORWARD		ı	-	+			
ENGINE	MODEL:	(70 ⁴		Premier	Aircraft Service,. Inc.	DATE: 2/27/2009 A/C TSN: 667.1	
IO-360-M		IA Autroit	mier	5540 NW 23	rd Avenue Hanger 14	ENG TT: 667.1	
REG. NO WORK 0 2772-02-	: 541DS RDER:	ø∳ Diam	Slid	Phone: (954)	ale, FL 33309 334-2393		
CHANG	Entries ED OIL AND TED FOR CO	ANIMATAC	ERVICED V TION, ENG	VITH 8 QTS INE WAS G	. 20W50 X/C AND NEW CH48110-1 ROUND RUN AND LEAK CHECKED	I FILTER. OIL FILTER WAS CUT AND D OK REPLACED BATTERY	
THIS EN	GINE WAS GRO	OUND RUN	AND LEAK C	HECKED OK.	APPROVED FOR RETURN TO SERVICE	E ON THIS DATE. THIS RELEASE IN NO	
WAY CE	RTIFIES FUTUR	RE AIRWOR	I HINESS	2/1	11 /16 -		
DATE:	2/27/2009		SIGNED:	ZUII	Uphul (Mos)	Work Order: 2772-02-2009 Printed by EBis 3 (datcomedia.com)	
			Emmanuel V	icioso, A&P. 5	92157851	Fillited by Ebis 5 (dates in our service)	
		+		1	and the second		
		·					
	MODEL:			Premier	Aircraft Service,. Inc.	DATE: 6/3/2009 A/C TSN: 693.1	
IO-360-1			emier	5540 NW 2	3rd Avenue Hanger 14	ENG TT: 693.1 TACH: 693.1	
REG. N	0: 541DS ORDER:	##Dian		Fort Lauder Phone: (954	dale, FL 33309 4) 334-2393		
2993-05	5-2009					-	
Engin	e Entries	- \/A \/E C	OVER GAS	KETS WITH	H NEW AS REQUIRED C/W LYC	OMING SB 583 & 584 ON LEFT	
444.00			I DE BRUG		ALL LAGRANT CONTRACTOR	LONGERT AND DIGHT MAGNETUS.	
	IRED. OPS A	ND LEAK (IT MAGNE	TO TO BE	UN AIRWO	RTHY AND REPLACED WITH NEW	N S/N 01061981, M/N 4770. TIMED	
DETE				MOUNTABLE	THE PERSON NOTED MEY	T DUE IN 100 HRS CAW ANNUAL	
DETEI MAGN	LETOS TO EN	NSPECTIC	N IAW LY	20111111000		ADTED & INCDECTION GUIDE	
DETEI MAGN LINE / INSPE	IETOS TO EN AND CLAMP I ECTION ON T	NSPECTIC	N IAW LYO	ITH FAR 43	APPENDIX d AND DA40 M/M CHA V50 AND NEW FILTER CH48110-1.	ADTED & INCDECTION GUIDE	
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REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE
Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 10-07-09 N541DA DIAMOND DA-40 S/N: 40-041 TACH:0753.6 H.M: 0913.2 IO-360-M1A S/N: L-29410-51A TTSN: 0753.6 ENGINE: Change oil and filter. Take oil sample. Cut open oil filter element and inspected. No metallic formaterial found. Cleaned suction oil screen. Filled with 8 Qts of AeroShell 15W-50 oil and new element P/n: CH48110-1. Washed engine compartment. Ground run and leak tested O.K. I ce with respect to the work accomplished above, that this aircraft is approved for return to service Ameer F. Mohamed AP3270645	preign filter	
Aviations Specially Services Comp. Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com		
03-11-2010 N541DS Diamond DA-40 S/N: 40-041 TACH: 820.6 HM: 991 IO-360-MIA S/N: L-29410-51A Engine:	1.0	
Changed oil Phillips 8 qts XC 20W50 and oil filter CH48110-1. Cleaned suct oil screen. Oil sample taken kit P/n: GA001. Cleaned engine & cowling. Gro run no leaks noted. I certify, with respect to the work accomplished above, this aircraft is approved for return to service. Ameer F Mohamed A&P 3270645	und —	
44		

MAXIMUM HOURS BETWEEN OVERHAULS _____HOURS.

DATE	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTTO TO SEE SOUTH TO
ROUGHT		-			
ORWAND					350
		-	No. of the last	Name of Street, or other Designation of the last of th	Corn.
		-			6-7399 Fax:954-792-2516 afmohamed@hotmail.com
		07-01-	2010 N5	41DS DIA	AMOND DA-40 S/N: 40-041 ACTT: 859.1 TACH: 859.1 H.M: 1036.7
		+		Eyoon	
		with IA Phillips AN900 Compliance Particles	esearched W SB342 S XC 20W 0-16. Oil saression ch In: 75906- & all functi	E. AD 09-2 50. P/n: Cl ample take eck all 79/ -SL silicond ional checl	FAA issue 2010-13. AD 08-14-07 fuel injection lines & clamps complied 26-12 Titan cylinders N/A by Lycoming cylinders in use. Oil changed 8 qts H48110-1 oil filter replaced, suction screen cleaned, new crush washer en kit GA001. Cleaned, gapped, tested & rotated all spark plugs. (80. Cleaned screen at fuel servo. Replaced all valve cover gaskets with e gaskets. Washed engine and cowlings. Ground run accomplished no ks satisfactory. I certify this ENGINE has been inspected in accordance INSPECTION within the scope & detail of FAR 43 App D and Diamond
		with a	100 hour/ series M.	ANNUAL I .M. Section	n 05-20-00 inspection outline and was determined to be in AIRWORTHY
		CONE	ITION.	\cap \cap	\
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		T			
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	-	+	13.0	-	The H Company
	+-				Houston Executive Airport
	+				1900 Cardiff Rd.
	+				Brookshire, TX 77423
	-				
			N5	41DS [Diamond DA40 S/N 40.041 Hobbs 1194.1
	1				
		Com	pleted :	100 hr/a	nnual inspection IAW Diamond DA 40 maintenance
			1 1	الحصنصما	O 360 convice manual and FAK 43 APP D.
		Com	pressio	n check:	#1 76/80, #2 72/80, #3 77/80, #4 78/80. Drained oil, filter (no contaminants found), replaced filter P/N
	_	CLIA	0110 0	arviced v	with 8 ats. Aeroshell W100. Removed, cleaned,
	-		ما استا		tosted rotated and reinstalled Spark Plugs.
	+		lacad be	anter ho	Run un, leak and ops check ok. This engine has
-	-	- bee	n inspe	cted IAW	100 hr/annual inspection criteria and has been
		_ fou	nd airw	orthy.	
			hos	11 M	
		- Sco	tt J. Cag	giano Al	P 457571943 8/1/2011
					CARRIED FORWARD
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TOTAL		•			

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS	SIGNATURE	LICENCE
3-5-2012 N-541DS Diamond DA-40 S/N# 40041 Lycoming IO-360-M1A S/N# L-29410-51A Tach# 1089.0 Hobbs# 1304.1 Removed oil filter and opened filter to check for contaniments, none noted. Installed new CH48110-1 filter and safty wired. Removed all spark plugs from engine, cleaned, gapped, tested and rotated plugs. Reinstalled spark plugs with all new AN4027-1 spark plug gaskets. I certify this engine has been repaired/inspected in accordance with current FAA regulations and approved maintenance manual. This engine is approved for return to service with respect to work performed this date.		7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
A&P/IA# 3023363		
- Cya	22	1
03/20/2012 TACH 1089.8 TTE 1089.8 COMPLETED ANNUAL INSPECTION THIS DAY. CHANGE ENGINE OIL 8 QUARTS PHILLIPS X/C 20/50 AND ONE PINT CAMGAURD. REMOVED AND CENGINE AIR FILTER RE-OILED AIR FILTER. PRESSURE CHECK EXHAUST SYSTEM AND CENGINE AIR FILTER RE-OILED AIR FILTER. PRESSURE CHECK EXHAUST SYSTEM AND CENGINE AIR FILTER RE-OILED AIR FILTER. PRESSURE CHECK EXHAUST SYSTEM AND CENGINE AIR SYSTEM AIR SYST	CLEANED	
3/24/2012 Tach 1090.06 Replace Left Pn# 43 73 Aip 3410335 Ald Junel	mag 4771.	keith
1370 x 717 0 110330 Jan 2012		1
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DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MINISTER
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FORWARD					
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Shearer Aviation	Services, In	c.			
LOG ID# 2537 N541DS S/N	21-June-2012 40041 DIA	MOND	DA 40		
N541DS ENGINE JUNE 21, 2012	TACH 1111.	9			4370 CN 12050506 TIMED MAG AND INSTALLED MAG
REPLACED F	RIGHT MAGNE	TO WITH	NEW SI	LICK MA	G MODEL 4370 SN 12050506. TIMED MAG AND INSTALLED MAG TION AND FOR LEAKS. END.
en installing drive ge	WARN at or driver on	ING	KH,	MAC	
to too liteli ips.					
only the installation ure nut with appropri	nardware prov ate cotter pin.	ided.	10	5416	\$
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FAA-I	PMA A	ppro	ved	1 - r 1	J-i
gneto was manufacture 03h and is airworthy. Th					
npion/Slick L-1318 Docu s, see L-1500 Manual.	ment in the F-110	00 Master Ser	vice Mani	ual. For LAS	SAR*
neto model, serial numbe	r, and date of instal	lation, and atta	ch this tag	to engine log	book
Model No. 4	170				
Serial No. 120	50506				
stallation 6 -	21-20	12	100	111 2 0000	
		·		arch 30, 20	09
			-	-	
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1	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE
			28
	Shearer Aviation Services, Inc. LOG ID# 2534 06-July-2012 N541DS S/N 40041 DIAMOND DA 40		F
	N541DS ENGINE JULY 6, 2012 TACH 1121.5		
	REINSTALLED ALTERNATOR BLAST DUCT AT ALTERNATOR. DRAINED OIL. TOOK OIL FILTER. ADDED SEVEN QUARTS PHILLIPS 20 W 50XC OIL. WASHED ENGINE. RAN AND CH LEAKS. END.	SAMPLE. CHANGED OIL ECKED OPEATION AND FOR	
	ALP 167380884 DAY SHEARER		
The second			
	Shearer Aviation Services, Inc. LOG ID# 2573 01-August-2012 N541DS S/N 40041 DIAMOND da40		Pg
	N541DS ENGINE AUGUST 1, 2012 TACH 114.64		
	DRAINED OIL. COMPRESSION CHECK #1 78. #2 79. #3 74. #4 76. TOOK OIL S FILTER. BORESCOPED CYLINDERS. CLEANED AND GAPPED LOWER SPARK PLUGS. INSPECTE ENGINE. ADDED SEVEN QUARTS PHILLIPS 20w50 XC OIL. RAN AND CHECKED OPERATION	D EXHAUST SYSTEM. WASH	ED
	Aug Leure 20 816) 3 8 884 		
			1
	MAXIMUM HOURS BETWEEN OVERHAULS HOURS.		

	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS,
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD		-			
LOG ID# 2660	12-Novem 40041 7	, Inc. 39 ber-2012 FAMO	ORT D	MONA RD	LEBANON PA 17042
N541DS ENGINE NOVEMBER 12, DRAINED OIL. ADDED SEVEN Q OPERATION AND	TOOK OIL JARTS AEF FOR LEAF	SAMPLE. ROSHELL (S. END.	CHANGE 15 W 50	3-	LTER. CLEANED OIL SUCTION SCREEN. CHANGED OIL FILTER. SHED ENGINE. BOROSCOPED CYLINDERS. RAN AND CHECKED
	-			-	
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				-	
Shearer Aviati LOG ID# 2680 N541DS S/I	113-119cer	mner-zu iz	PORT	DA40	P(
N541DS_ENGIN	E	-u 1178	1		
DECEMBER 3, CLEANED, GAP AND EXHAUST AST 16 X 380884	PED, AND VALVE ARI	ROTATED EA. REIN	SPARK ISTALLED		REMOVED #2 ROCKER COVER AND INSPECTED UNDER ROCKER COVER COVER. RAN AND CHECKED OPERATION AND FOR LEAKS. END.
9		-	+-		
					CARRIED FORWARD
TOTAL THIS P					
PREVIOUS SUMA					
TOTAL	.				

ENTRIES.	DRAW A DI	AGONAL LINE THROUGH	ANY UNUSED LINES IN DATE AN	ID TIME COLUMN	SIGNATURE	LICENCE
Sheare LOG ID N541D	D# 2793 20	Services, Inc. 0-March-2013 041 Assessment D	0A40			Pg
MARCH 2		TACH 1188.1 TOTAL TIM				
CLEANED LEADS. SEVEN (CYLINDI INTAKE OIL RE' #1 AND	D OIL SUC CLEANED QUARTS PH ER BARREL GASKETS TURN LINE #3 EXHAU	TION SCREEN. CLEANED, FUEL INJECTOR INLET ILLIPS 20W W 50XC OIL S AS NEEDED. REPLACED AND PIPE "O" RINGS. S HOSES. REPLACED BOTH ST MANIFOLD GASKETS.	MPRESSION CHECK #1 76. #2 GAPPED AND ROTATED SPARK SCREEN. REPLACED INDUCTION . PRESSURE CHECKED FUEL STALL TEFLON PLUGS IN ENDS ECURED ITEMS THROUGHOUT EN MAG BASE GASKETS AND RET CW AD 2009-02-03 BY INSPE TORQUED AND RESAFETIED NU LAND CHECKED OPERATION AN	N AIR FILTER W YSTEM FOR LEAW OF ROCKER SHA NGINE COMPARTM IMED BOTH MAGS CTION AND INST	ITTH NEW FILTER: ADD (S. CLEANED AND PAIN NETS: REPLACED #1 AN MENT: REPLACED ALL F S. WASHED ENGINE. RE FALLED NEW GASKET PH ED OK. CW AD 2011-26	JEED JITED JID #2 FOUR FOUR PLACED JOURNAL STREET
		TACH 1188.1 TOTAL TI		V-1		
TO BE	IN AN AIR	THIS ENGINE WAS INSPER WORTHY CONDITION. END.		N ANNUAL INSP	ECTION AND WAS DETE	RMINED
- - -	FA	oproving National Aviation hthority/Country: A/UNITED STATES	FAA Form	PRIZED 8130-3, AI	RELEASE RWORTHINES	CERTIFI
-	14 0.	gonizati. N				O 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-	PE	ganization Name and CNN YAN AERO 99 Bath Road, Penn Y	Address:	Repair Sta	ation# Y2GR396Y	
- -	PE	CNN YAN AERO 99 Bath Road, Penn Y	Address: Yan, New York 14527, 315 8. Part Number:	Repair Sta	ation# Y2GR396Y	
-	PE 249	CNN YAN AERO 99 Bath Road, Penn Y	an, New York 14527, 315	Repair St:		
	6. Item: 1 13. Ren	ONN YAN AERO OP Bath Road, Penn Y 7. Description: CYLINDER marks: *Work perform *accordance wit *acceptable to t *under WO# in	8. Part Number: 10-360-M1A ed in block 12 was done in the data approved by or the FAA. Details on file block 5.	Repair St: 5/536-2333	ation# Y2GR396Y 9. Eligibility:*	10.Quantity
	6. Item: 1 13. Ren	PAN YAN AERO PASS Bath Road, Penn Y 7. Description: CYLINDER marks: *Work perform *accordance wit *acceptable to ti *under WO# in fies the items identified a Approved design d	8. Part Number: 10-360-M1A ed in block 12 was done in the data approved by or the FAA. Details on file	Repair Sta	9. Eligibility:* TBV by Installer 19. 14 CFR ion. Certifies that un 12 and describe	10. Quantity 1 43.9 Return to Selless otherwise sped in Block 13 was lations, part 43 an
1	PE 249 6. Item: 1 13. Ren	PAN YAN AERO PS Bath Road, Penn Y 7. Description: CYLINDER marks: *Work perform *accordance wire *acceptable to the *under WO# in files the items identified a Approved design design design design design. Non-approved design.	8. Part Number: 10-360-M1A ed in block 12 was done in the data approved by or the FAA. Details on file block 5. bove were manufactured in column at and are in condition for the factor of the factor	Repair Sta	9. Eligibility:* TBV by Installer 19. 14 CFR ion. Certifies that un 12 and describe of Federal Regulator return to serv	10. Quantity 1 43.9 Return to Se lless otherwise spe d in Block 13 was lations, part 43 and

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/install the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1. It is essential that Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification.	17.	15. A		13. R	-	6. Item:	4.	
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 performs work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority dideas Airworthiness Authority different than the Airworthiness Aut	Name (Typed or Printed)	Authorized Signature:	ertifies the items identified about the items identified about the identified about the identifies the items identified about the identifies the items identified about the identifies about the identified about the ident	13. Remarks: *Work performed in block 12 was done in *accordance with data approved by or *acceptable to the FAA. Details on file *under WO# in block 5.	CYLINDER	m: 7. Description:	Organization Name and Address: PENN YAN AERO 2499 Bath Road, Penn Yan, New Y	Approving National Aviation Authority/Country: FAA/UNITED STATES
User/Insta	18. Date (m/d/y):	16. Approval/Authorization No.:	Certifies the items identified above were manufactured in conformity to: Approved design data and are in condition for safe operation. Non-approved design data specified in Block 13.	*Work performed in block 12 was done in *accordance with data approved by or *acceptable to the FAA. Details on file *under WO# in block 5.	IO-360-M1A-CYL	8. Part Number:	Vork 14527, 315/5	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG
User/Installer Responsibilities	22. Name: SAL SCIALLO	20. Authoriz			TBV by Installer	9. Eligibility:*	Repair Station# Y2GR396Y	RELEASE
	(Typed or Printed)	Authorized Signature:	R 43.9 Return to Service unless otherwise specified bed in Block 13 was accordulations, part 43 and in revice.	j.	1	10.Quantity	•	CERTIFI S APPROVA
	23.	21. Approva	in Bk mplish		N/A	11. Serial/Batch No.	5. Work Order/0	
	1/d/y): 013	Approval/Certificate No.:	Other regulation specified in Block 13 ck 13, the work identified in Block ed in accordance with Title 14, Code to that work, the items are approved		Repaired	12. Status/Work:	5. Work Order/Contract/Invoice Number 37193 /	3. Form Tracking Number: 13772

N541 D\$ 4-12-2013 TBON 1210.9 \$3 CYLTMORR

*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005

FAA Form 8130-3 (6-01)

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BROUGHT		-	1			
FORWARD		1	-			
	MAKE Diamond MODEL DA-40	O.	σ [\] .		Aircraft Service, Inc. DATE: 3/28/2013	,
	S/N: 40041 REG. NO: 541DS WORK ORDER:	Aire	remuel	 5540 NW 2: 	tition No. 9PRR402B A/C TSN: 1186.4 23rd Avenue Hanger 14 TACH: 1186.4	
4	5439-03-2013 Airframe Ent	tries		Phone (954	54) 334-2393	
J	(2) REMOVED STC# SA03281	DIAMOND STO		A DVIDA	ASSY AND INSTALLED POWERFLOW EXHAUST SIN 473 IAW NCE AS REQUIRED. SEE FORM 337 FOR DETAILS.	
00	THE FEDERAL PERFORMED I	AVIATION AD	MINISTRATIC	N AND IS AF	WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT EPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF PPROVED FOR RETURN TO SERVICE. ALL WORK WAS T, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND AT THIS REPAIR STATION OFFICE.	
	DATE: 3/26/201	3	SIGNED:	R	Work Order: 5439-03-2013	
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LOG II	D# 2910 08 S S/N 40	8-July-201:)041 Di	3 AMOND	DA40		
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N541DS	ENGINE					
JULY 8	, 2013 TA	СН 1233.	6			
	MDDESSTON	CHECK #	1 75 #7	76. #3	3 72. #4 78. REPLACED MISSING BAFFLE SCREW AT #1 CYLINDER.	
REPLAC	ED ALL EI	GHT SPAR	K PLUGS	WITH NE	EW UREM38E SPARK PLUGS. RAN AND CHECKED OPERATION. END.	
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ENTRI	REPAIRS, ADJUSTMENTS, MODIFICATIONS ES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE
	Shearer Aviation Services, Inc. LOG ID# 2937 24-July-2013 N541DS S/N 40041 DIAMOND DA40		
	N541DS ENGINE JULY 24, 2013 TACH 1241.6 DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. ADDED SEVEN QUART WASHED ENGINE. RAN AND CHECKED OPERATION AND FOR LEAKS.END. Add JAC Schwarzer AFP 171487058 Add 171487058 Jeffrey Schwanger	S AEROSHELL 15W50 OI	ιι.
	Shearer Aviation Services, Inc. LOG ID# 2970 03-September-2013 N541DS S/N 40041 DA40		P9_
	N541DS ENGINE SEPTEMBER 3, 2013 TACH 1265.8 DRAINED OIL. TOOK OIL SAMPLE. COMPRESSION CHECK #1 78. #2 78. #3 79 ADDED SEVEN QUARTS AEROSHELL 15W50 OIL. WASHED ENGINE. RAN AND CHECKED OF THE PROPERTY OF THE	. #4 76. CHANGED OIL	FILTER.
L(nearer Aviation Services, Inc. DG ID# 3147 01-March-2014 541DS S/N 40041 DA40		Pg
MAR CLE IGN QUA SYS CHE	DRAINED OIL. TOOK OIL SAMPLE. COMPRESSION CHECK #1 75. #2 80. #3 75. #4 ANED OIL SUCTION SCREEN. CLEANED, GAPPED, AND ROTATED SPARK PLUGS. CHECKED ITION LEADS. CLEANED FUEL INJECTOR INLET SCREEN. SERVICED INDUCTION AIR FI RTS PHILLIPS 20W50 XC OIL. REPLACED ALL FOUR EXHAUST MANIFOLD GASKETS. PRE TEM FOR LEAKS. WASHED ENGINE. CW AD 2011-26-04 BY INSPECTION AND NO DEFECT CKED OPERATION AND FOR LEAKS. END. CH 1, 2014 TACH 1300.5 TOTAL TIME 1300.5	TIMING. MEGGED	TER.
	I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL ERMINED TO BE IN AN AIRWORTHY CONDITION. END. Level Do 162380887 167980884 JAY SHEARER	INSPECTION AND WAS	
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Shearer Aviation Services, Int. LOG ID \$ 3007 PA AUGUST 2714 NS41DS ENGINE NS41DS ENGINE NS41DS ENGINE DATE NS41DS ENGINE DATE NS41DS ENGINE DATE DATE NS41DS ENGINE DATE DATE		TIME	RUN	TIME		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET	E
Shearer Aviation Services, Inc. LOG 10# 3303 01-August-2014 NS41DS SN 40041 DA40 NS41DS ENGINE AUGUST 1, 2014 TACH 1364.3 DRAINED 011. TORO 011. SAMPLE. CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED O11. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESSION CHECK #1 79. #2 80, #3 79, #4 80, DRAINED 071. TORO 011. SAMPLE, CHANGED 011. FILTER, COMPRESS	DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY	
Shaarar Avlation Services, Inc. LOG IDW 3303 01-August-2014 NS41DS S/N 40041 DA40 NS41DS ENGINE AUGUST 1, 2014 TACH 1364.3 DRAINED CIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BORESCOPED CYLINDERS. CLEANED, GAPPED, AND ROTATED SPARK PLUGS. REPLACED LOWER #4 SPARK PLUG. WASHED ENGINE. RAN AND CHECKED OPERATION AND POR LEAKS. END. ARAPIG 7360884 JAY SHEARER Leading Edge Aviation, Inc. 3879 Old Easton Rd, Doylestown, PA 18901 (215)340-4797 fax (215)340-5795 NS41DS 10/16/2014 Tach: 1399.6 Changed oil and filter. Serviced with 8 quarts Aeroshell 15W-50 and CH48110-1 filter. Inspectogl old filter, no contamination found. Leak check normal. Auri Mohiat Lak P2733/94/MARK Auri Mark P2733/94/MARK			-				
NS4IDS SIN 40041 DA40 NS4IDS SIN 40041 DA40 NS4IDS ENGINE AUGUST 1, 2014 TACH 1364.3 DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL TOOK OIL SAMPLE. CHANGED OIL FILTER. COMPRESSION CHECK #1 79. #2 80. #3 79. #4 80. BRAINED OIL TOOK OIL SAMPLE. CHANGED OIL FILTER. CHANGED OIL FILTER. CHANGED OIL FILTER. CHANGED OIL FILTER. CHANGED O	ORWANI						
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PLUGS CLEAN	REPLACED TAILPIPE STRAP.LUBRICATED ALL CONTROL I, REGAP, INSPECT AND TEST, REINSTALLED WITH NEW	SRE	MUNED SBADIN	
I ORQUED ANI	D RECONNECT LEADS SET THE TALLED WITH NEW	M-674	4 GASKETS	
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DATE	TIME	RUN	TIME OVER		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	NOTE. USE BOTH PAGES AND AS MANY EMBORAGE
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