# AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

#### The United States of America Bepartment of Transportation Federal Aviation Administration

8 1. 4

Washington, D.C.

No. E 407324

# Export Certificate of Airworthiness

F.H.Hill, Jr.

Signature of Authorized Representative

May 30, 2007

ODARF830878NE

District Office or Designee Number

<sup>1</sup> For complete aircraft, list applicable specification or Type Certificate Data Sheet numbers for the aircraft, engine, and propeller. Applicable specifications or Type Certificate Data Sheet, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.

FAA Form 8130-4 (7-68) Formerly Form FAA 26

A Textron Company

AND

MAJOR PARTS SHIPPED with ENGINE

652 Oliver Street

Williamsport, PA 17701 U.S.A.

Model No: IO-360-M1A

Serial No: L-33585-51E

Enpl: ENPL-RT10051

Date: 5/30/2007

	TC No: 1E10		Date: 5/30/2007	
Order No AB297915 Part Name	Part Number	Manufacturer	Serial	Setting
CARBURETOR				2576568-1
INJECTOR	61J22633	PAM	70BN3310	2370300
LT ALTERNATOR RT ALTERNATOR	32C19553	KELLY	G090119	
MAGNETO LEFT MAGNETO RIGHT MAGNETO DUAL LASER IGN CONT	66GR25SANN 66GP-0SANN	SLICK SLICK	07030233 07041424	
STARTER	31B22105	SKY-TEC	F4L-040727	
FUEL PUMP	LW-15473	LYC	4206 D/C	
IGN HARNESS L IGN HARNESS R LASER IGN HARNESS	67P20429 67P20428	SLICK SLICK		
SPARK PLUG	1182-E7	Champion		
LT TURBOCHARGER RT TURBOCHARGER		الموادية . الموادية الموادية الم		the state of the s
BYPASS VALVE				
DENSITY CONTR.	* *			
PRESS. CONTR.				

AB PRESS REL.

#1 INTERCOOLER #2 INTERCOOLER

CRANKCASE MATCH NO. TPK500

CRANKSHAFT SERIAL NO. V537947682

All accessories listed are 0 (zero) time since New or 0 (zero) time since Overhaul. All accessories are new unless part number is succeeded by –85 or –70.

Released: Inspector

160

Date: 5/30/2007

C of A Issued Date: 5/3407

NOTE: Form to be used on all New, Overhauled, Rebuilt Engine Models.

Form ET-001 (REV 03/05)

# ENGINE LOG

LYCOMING
IO-360-MIA
1E10
L-33585-SIE
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manifes a real or an experience of the control of t

# ENGINE SERVICE AND

BROUGHT PORWARD  BROUGHT PORWARD  BIGINE INSTALLED NEW ON DR 40 S/N  Engine installation inspected I.A.W. Diamond Aircraft Industries Inc. DA 40 W.I.S. Rev: N Form ME-01-A  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  November 23, 2007  QualiTech Aviation, Inc.  Registration: N245D3 - Make: Diamond - Model: DA-40 XL - S/N: 40.833  Engine: Lycoming - Engine S/N: L-33585-51E  Tach: 35.0 - Airframe Total Time: 35.0 100 Hour Inspection  Ground ran engine to normal operating temperatures and performed compression check as per Lycoming SI 1191A. Cylinder compression readings were as follow: #1-75/80, #2-73/80, #2-75/80, #4-74/80. Drained oil and collected sample for oil analysis. Removed oil filter and suction screen. No defects found. Serviced engine with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, pin A448110. Pressure tested exhaust. No defects found. Serviced engine with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, pin A448110. Pressure tested exhaust. No defects found. Serviced engine with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, pin A448110. Pressure tested exhaust. No defects found. Serviced engine with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, pin	DATE	TIME RU		RUN TIME SINCE		INSTALLATIONS, INSPECTIONS,				
Engine installation inspected I.A.W. Diamond Aircraft Industries Inc.  DA 40 W.I.S. Rev: N Form ME-01-A  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  November 23, 2007  QualiTech Avlation, Inc.  Registration: N245DS - Make: Diamond - Model: DA-40 XL - S/N: 40.833  Engine: Lycoming - Engine S/N: L-33585-61E  Tach: 35.0 - Airframe Total Time: 35.0 - Engine Total Time: 35.0  Ground ran engine to normal operating temperatures and performed compression check as per Lycoming SI 1191A. Cylinder compression readings were as follow: #1-75/80, #2-73/80, #3-75/80, #4-74/80. Drained oil and collected sample for oil analysis. Removed oil filter and suction screen. Complied with Lycoming SB 480E, by inspection of oil filter and suction screen. No defects found. Serviced engine with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, p/n  AA48110. Pressure tested exhaust. No defects found gapped spark plugs.	DATE	HRS.	MIN.	HRS.	MIN.					
PUG 29 2007    November 23, 2007   QualiTech Aviation, Inc.			<b>-&gt;</b>	Ø	Ø	ENGINE INSTALLED NEW ON DA 40 SIN				
Ground run up and leak check was normal.  Complied with AD 2002-26-01, dated January 31, 2003, by inspection of fuel injection lines and clamps as per Lycoming MSB No. 342D, dated July 10, 2001. No defects found.  Compliance is due at each 100 hour inspection, annual inspection, or after any maintenance is performed on the fuel lines. Next due at airframe total time 135.0 or November - 2008.  I certify that this engine has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.  Keith A. Allison A&P 562571398	FORWARD	p# s N A R G	Grourser Lycomia 3-75/80, # uction scribo defects A48110. Cotated an Ground run Compinal clamps compliance erformed of the compinance of t	or 23, 2007 egistration Tach:	min.  N245DS Engine 35.0 - Ali ine to norr 1A. Cylinc Drained oi plied with enviced entested exh ed spark p each 100 lines. Ne y that this	Engine installation inspected I.A.W. Diamond Aircraft Industries Inc.  DA 40 W.I.S. Rev: N Form ME-01-A  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  QualiTech Aviation, Inc. 3 - Make: Diamond - Model: DA-40 XL - S/N: 40.833  e: Lycoming - Engine S/N: L-33585-51E  Inframe Total Time: 35.0 - Engine Total Time: 35.0  100 Hour Inspection  mal operating temperatures and performed compression check as aler compression readings were as follow: #1-75/80, #2-73/80, ii and collected sample for oil analysis. Removed oil filter and Lycoming SB 480E, by inspection of oil filter and suction screen. gine with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, p/n insust. No defects found. Cleaned and gapped spark plugs. Insust. No defects found. Cleaned and gapped spark plugs.  SB No. 342D, dated July 10, 2001. No defects found. hour inspection, annual inspection, or after any maintenance is ext due at airframe total time 135.0 or November - 2008.  Rengine has been inspected in accordance with a nand was determined to be in an airworthy condition.  Haill II. W. Liller				
		Y		20.00		CARRIED FORWARD				
CARRIED FORWARD	TOTAL THIS PAGE TOTAL FROM PREVIOUS SUMMARY	+								

NTRIES. DRAW A DIAG	REPAIRS, ADJUSTMENTS, MODIFICATIONS ONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE
40.833	$\rightarrow$	725	0A Q 42
		<u>.</u>	
	7	73	Q 42
3-17-08	Engine time 79.4		1
Complies	ection due in 50 hrs. Rould Hogy to	B+p 458 9287	9 ment
	March 25, 2008 QualiTech Aviation, Inc. Registration: N245DS - Make: Diamond - Model: DA-40 XL - S Tach: 83.2 50 Hour Inspection	/N: 40.833	
	Ground ran engine to normal operating temperatures, drained engine oil filter. Cut oil filter open for internal content inspection. No defects found. Serviced engine with 8 quarts Phillips Phillips X/C 20W50 oil	viced and charged and CH48110-1 oil	
	filter. Lubricated engine controls and starter. Engine run up and leak check to Complied with AD 2008-06-51, dated March 12, 2008, by inspection of f	was normal. uel servo model March 6, 2008.	
	Brass regulator hex plug was not loose. Compliance required at whichever could change or every 50 hours of engine run time. Next inspection due at tach	omes first - at every	and the second
	Eful. I Ball STE Eduardo R. Bautista	A&P 337488916	
		H	ng (galangan nagan n
		3 3	
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## ENGINE SERVICE AND

	DATE	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS,	
	<b>DA</b> 12	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE	(
e*i	BROUGHT			Registrati Tach:	Engli 130.6 - A	QualiTech Aviation, Inc.  S - Make: Diamond - Model: DA-40 XL - S/N: 40.833  ne: Lycoming - Engine S/N: L-33585-51E  Irframe Total Time: 130.6 - Engine Total Time: 130.6  100 Hour Inspection	_
ı			per Lycon #3-78/80, suction so No defect AA48110 Rotated a Ground ru	ning Si 11 #4-76/80 creen. Co is found. Si . Pressure and reinsta	91A. Cylii Drained of the control of the cylind in the cyl	rmal operating temperatures and performed compression check as inder compression readings were as follow: #1-76/80, #2-74/80, oil and collected sample for oil analysis. Removed oil filter and in Lycoming SB 480E, by inspection of oil filter and suction screen. In a suction with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, p/n chaust. No defects found. Cleaned and gapped spark plugs. plugs using new gaskets. Lubricated engine controls and starter.	_
			RSA-5AD at whiche total time	01, as per ver come: 180.6 or i	paragraph s first - at e next oil cha		_
		7-	clamps as	s per Lyco ch 100 ho Next due	oming MSB our inspecti e <i>at airfran</i>	7, dated August 14, 2008 by inspection of fuel injection lines and B No. 342E, dated May 18, 2004. No defects found. Compliance is ion, annual inspection, or after any maintenance is performed on the me total time 230.6 or July -2009.	_
				l cert 100 Hou	tify that the rinspection	is engine has been inspected in accordance with a on and was determined to be in an airworthy condition.	•
	- transito227	NAT.		(	Chi	Charles H. Bonds A&P 3025225	
	2.56	CF 323	476	The state of the s	1000	The date in 50 hos. Thendal.	
were as with Lyo Tempes Rotated and lea	s follow: #1-72/80, #2-74 coming SB 480E, by ins st oil filter, p/n AA48110 d and reinstalled spark public check was normal.	4/80, #3-7/ spection of . Added 1 blugs using otive MSE	2/80, #4-73 foil filter at I can of Ca g new gast B # PRS-1	2/80. Dra nd suction amguard t kets. Rep 07, Revis	nd perform ined oil an a screen. It to engine oblaced #2 of sion 4, date	Hour Inspection led compression check as per Lycoming SI 1191A. Cylinder compression readings of collected sample for oil analysis. Removed oil filter and suction screen. Complie No defects found. Serviced engine with 8 quarts Phillips 100AW Type A oil and oil. Pressure tested exhaust. No defects found. Cleaned and gapped spark plugs. Cylinder valve cover gasket. Lubricated engine controls and starter. Ground run up led July 16, 2008, by inspection and replacement of fuel servo gasket with new gask (G). No further action required.	d
loose.	Compliance required at	whicheve	r comes til	rst - at eve	ery on char	uel servo model RSA-5AD1, as per paragraph (f). Brass regulator hex plug was not nige or every 50 hours. Next inspection due at airframe total time 226.5 or next oil	
No defi 276.5.	ects found. Compliance	is due at	each 100	nour noui	rs, or aπer	fuel injection lines and clamps as per Lycoming MSB No. 342E, dated May 18, 200 any maintenance is performed on the fuel lines. Next due at airframe total time	4.
		10	Hour in	spection	and was	as been inspected in accordance with a determined to be in an airworthy condition.	
				tra	nd 1	Sanda Charles H. Bonds A&P 3025225	
			lanuari (	2000		QualiTech Aviation, Inc.	_
			January 2 Re	egistratio	n: N245D	S - Make: Diamond - Model: DA-40 XL - S/N: 40.833  Tach Time: 181.6  General Maintenance	_
	TOTAL THIS PAGE	0	Replac perational	ced engin	e starter w is normal.	with new starter part number 31B22105. Ground run up and	
	TOTAL FROM PREVIOUS SUMMARY		/		ale.	Sharles H. Bonds A&P 3025225	
	TOTAL SINCE MFG.		$\overline{}$	٠, ١	VIW)		

N TRIES. DRA	April 23, 2009 QualiTech Aviation, inc. Registration: N245DS - Make: Diamond - Model: DA-40 XL - S/N: 40.833  Tach: 205.5 50 Hour Inspection	NATURE	LICENCE
	Ground ran engine to normal operating temperatures, drained engine oil and removed oil filter. Cut oil filter open for internal content inspection. No defects found. Serviced and charged aircraft battery. Serviced engine with 8 quarts Phillips Phillips X/C 20W50 oil and AA48110 oil filter. Lubricated engine controls and starter. Engine on 1000 https://doi.org/10.1000/j.j.co.000000/j.j.co.0000/j.j.co.00000/j.j.co.00000/j.j.co.00000/j.j.co.000000/j.j.co.000000/j.j.co.000000/j.j.co.000000/j.j.co.000000000/j.j.co.000000000000000000000000000000000		
	Compiled with AD 2009-02-03, dated February 09, 2009, by inspection of identification servo plug. Brass regulator hex plug was not loose. Compilance required at whichever comes first - at every oil change or every 50 hours of engine run time. Next inspection due at tach time		
	255.5. Charles H. Bonds A&P 3025225		+
	November 11, 2009 QualiTech Aviation, Inc. Registration: N245DS - Make: Diamond - Model: DA-40 XL - S/N: 40.833 Engine: Lycoming - Engine S/N: L-33585-51E Tach: 246.5 - Airframe Total Time: 246.5 - Engine Total Time: 246.5		
	Ground ran engine to normal operating temperatures and performed compression check as		
	<ul> <li>#3-70/80, #4-78/80. Drained oil and collected sample for oil analysis. Refinded oil little and suction screen. Complied with Lycoming SB 480E, by inspection of oil filter and suction screen.</li> <li>No defects found. Serviced engine with 8 quarts Phillips X/C 20W50 oil and Tempest oil filter, p/r AA48110. Pressure tested exhaust. No defects found. Replaced all spark plugs with new LIPEM38E spark plugs. Cleaned and serviced induction air filter. Degreased engine. Lubricated</li> </ul>		
	engine controls and starter. Ground run up and leak check was normal.  Complied with AD 2009-03-03, dated February 09, 2009, by replacement of fuel servo plug gasked with new gasket p/n 2577258 and inspection of hex plug and servo threads. No defect found. Stamped hex plug as per AD. As per paragraph (k), this constitues terminating action to the repetitive inspection required by the AD. No further action required.	et	
	Complied with AD 2008-14-07, dated August 14, 2008 by inspection of fuel injection lines and clamps as per Lycoming MSB No. 342E, dated May 18, 2004. No defects found. Compliance is due at each 100 hour hours, or after any maintenance is performed on the fuel lines. Next due a airframe total time 346.5.  I certify that this engine has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.		~ .
·	Charles H. Bonds A&P 3025225		
H	0665 375,4 Tach 286.5 50 hour Inspection		
	Filter. Clean - Gap Spark Plugs AIP	3410335 Ulful	
ENGIN COMF	2010 TACH 371.4 TTE 371.4 COMPLETED ANNUAL INSPECTION THIS DATE. SERVICED WE WITH 8 QUARTS EXXON ELITE 20/50 AND CH48110-1 OIL FILTER. ACCOMPLISHED PRESSION CHECK. CLEAN GAP & ROTATE SPARK PLUGS. INSTALLED QUICK DRAIN FOR HANGE SERVICE CONVINCE. RAN ENGINE AND CHECK FOR OIL LEAKS NONE FOUND. ENGINE WAS FOUND IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO		
THIS SERV	ENGINE WAS FOUND IN AIRWORTHY CONDITION AND IS AT THE		
		The state of the s	

				-	A COMPANY OF STATE OF	OR COMPL
	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES THE	ОМР
4/21/2011 ADJUST L CH48110- A&P 3410: PHIL LEE	EFT MAG I OIL FIL1 335	FROM 27	GE ENGIN DEGREI	IE OIL AN ES TO 25.	ID OIL FILTER. CLEAN AND GAP SPARK PLUGS. USED 8 QUARTS AEROSHELL 15/50 AND ONE	
TIMING CLEAN	ALL FILE	LINIECT	ORS DIE	COMPR	JUNING ENGINE. CHECKED MAGNETO ESSION CHECK. REPLACED CRACKED	
EXHAUST SYST AIRCRAFT IS AI A&P 3410335 PHIL LEEDER	PPROVEE	FOR BE	PFS-1510 TURN TO	)2. RUN U SERVICE	P AND LOOK FOR LEEKS NONE FOUND. THIS FOR THE WORK DESCRIBED ABOVE.	
		a Mary a	1			
20			<del>}</del>			
ENGINE WITH	7 QUARTON CHECK THIS EN ERVICE.	ΓS PHILLI <. REPLA	IPS X/C 2 CED SPA	0/50 AND RK PLUG	AUAL INSPECTION THIS DATE. SERVICED CH48110-1 OIL FILTER. ACCOMPLISHED S. RAN ENGINE AND CHECK FOR OIL LEAKS FORTHY CONDITION AND IS APPROVED FOR	
01/07/2012 TACH 4 ALTERATION FAA A&P 3410335 PHIL LEEDER	PMA PAF	TALLED RETS INSTA	ALLATIO	GINE PRE N AND A 3	HEAT SYSTEM. THIS IS A MINOR 37 IS NOT REQUIRED.	
0408		* *	7	1 1.	1 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	-1
06/19/2012 TACH 4 OIL AND OIL FILTI A&P 3410335 PHIL LEEDER		LACED L	EFT MAG	NETO PN	N# 4347 SN# 12041067. CHANGED ENGINE	
Z-Da-	}		T	T		<u> </u>
ENGINE WITH	17 QUAR ON CHEC IN AIRWO	TS PHILL	IPS X/C 2	20/50 ANI	NNUAL INSPECTION THIS DATE. SERVICED D CH48110-1 OIL FILTER. ACCOMPLISHED CK FOR OIL LEAKS NONE FOUND. THIS ENGINE APPROVED FOR RETURN TO SERVICE.	5,
PHIL LEEDER		ORDS	<i></i>		rag	

N TRIES.	05/14/2013 TACH 551.9 CHANGE ENGINE OIL AND OIL FILTER. 1) CH48110-1 OIL FILTER 1) PINT	n <b>e</b>	LICENCE NUMBER
	CAMGUARD )7 QUARTS PHILLIPS X/C 20/50. CLEANED SPARK PLUGS. DID COMPRESSION CHECK. #1 72 #3 70 # 2 74 #4 76 RUN UP AND LOOK FOR LEEKS NONE FOUND. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE FOR THE WORK DESCRIBED ABOVE.  A&P 3410335 PHIL LEEDER		
3	THE LEEDER HOLD GLOVE		
	08/09/2013 TACH 560.9 TTE 560.9 COMPLETED ANNUAL INSPECTION THIS DATE. SERVICED ENGINE WITH 7 QUARTS PHILLIPS X/C 20/50 AND CH48110-1 OIL FILTER. ACCOMPLISHED COMPRESSION CHECK. RAN ENGINE AND CHECK FOR OIL LEAKS NONE FOUND. THIS ENGINE WAS FOUND IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.  A&P IA 3410335 PHIL LEEDER		
	10/21/2013 TACH 594.8 CHANGE ENGINE OIL AND OIL FILTER. 1) CH48110-1 OIL FILTER 1) PINT CAMGUARD )8 QUARTS PHILLIPS X/C 20/50. CLEANED SPARK PLUGS. DID COMPRESSION CHECK. #1 74 #3 70 # 2 72 #4 75 RUN UP AND LOOK FOR LEEKS NONE FOUND. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE FOR THE WORK DESCRIBED ABOVE.  A&P 3410335 PHIL LEEDER		
	03/06/2014 TACH 642.7 HOBBS 828.7 CHANGE ENGINE OIL AND OIL FILTER. 1) CH48110-1 OIL FILTER 8 QUARTS PHILLIPS X/C 20/50. CLEANED SPARK PLUGS. DID COMPRESSION CHECK. #1 73 #3 72 # 2 72 #4 76 RUN UP AND LOOK FOR LEEKS NONE FOUND. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE FOR THE WORK DESCRIBED ABOVE.  A&P 3410335 PHIL LEEDER		
-Ren -Sen -Eng	BAHAN AVIATION SERVICES  281-451-2163  5DS 8/18/2014 Tach 689.0 Hobbs 887.1  noved engine cowling and drained oil and removed filter.  viced engine with 8 quarts Phillips XC 20/50 and a new Tempest AA48108-2 filter.  sine test run with no defects noted.  installed engine cowling.  rtify this engine is returned to service with respect to the work performed.  Christopher James Bahan A&P/I.A. 2688469		
	END PAGE		
	MAXIMUM HOURS BETWEEN OVERHAULSHOURS.		

					1	NERECTION
8	TIME	RUN	OVER	SINCE	INSTALLATIONS, I NOTE: USE BOTH PAGES AND AS MANY LI	NES AS REQUIRED FOR COMPLE
DATE	HRS.	MIN.	HRS.	MIN.		TETE TETE
BROUGHT	N245DS -Annual III -Remove -Remove -Verified -Performe -Inspecte -All fuel ir -Inlet scre -Lubricate -Inspecte -Re-cowle -Complied AD2004- AD2011-2	9/7/2014 nspection d cowling d, cleaned engine tim ed compre d and eng njection no een remove ed all engit d all electre ed and per 10-14 C (0 26-04 (Fue checked the enance pe his engine	Tach 69 this date a and cleane i, inspecte ssion che ine cleane izzles rem ed, cleane ne control ical conne formed ru following A Gear bolts linjector I Due	AHAN  91.4 Hobband time ed engine d, gapped 225 degree ck as follo ed air filter oved, clea ed and re- s ections for n-up and AD's: ) ines) e again in s date ATR	AVIATION SERVICES  281-451-2163 bs 891.0 Annual this date & time d and reinstalled spark plugs bs BTC bws: #1 78, #2 77, #3 78, #4 74	on ted.
		P. 1. 1	CI	nristopher	James Bahan A&P/I.A. 2688469	,
715	0	l l	3	gas at a Conse	- 15 - 1	reld 1
-7-15	0	osed			cowling, Removed or	
	dra		011		wiced engine with 8	0
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			1		Rya	Quf. # AP 35386X
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		1981 254	Er	_	Logbook Entry	
	<b>E</b>		Er Ma	ake: Ly	coming Model: IO-360-MIA	Enf. # AP 31386XT
	Aviation S	ervices	Er Ma Ser	ake: Ly rial: L-3	rcoming Model: IO-360-MIA	Registration:N245DS
5260 Centr	Aviation S al Pkwy. H	ervices Iangar 14	Er Ma Ser Ta	ake: Ly rial: L-3 ch# 778	Model: IO-360-MIA 33585-51E 3.0 Hobbs# 999.9	Registration:N245DS Make: Diamond
5260 Centr Conr	Aviation S al Pkwy. H	ervices Hangar 14	Et Ma Ser Tac	ake: Ly rial: L-3 ch# 778 CTT# 77	Coming Model: IO-360-MIA 3585-51E 8.0 Hobbs# 999.9 78.0	Registration:N245DS Make: Diamond Model: DA-40
5260 Centr Conr Completed an	Aviation S al Pkwy. H oe, TX 773 Oil and	ervices Jangar 14 303 Filter cl	Er Ma Ser Ta AC	ake: Ly rial: L-3 ch# 778 CTT# 77 ris date.	Model: IO-360-MIA 3585-51E 3.0 Hobbs# 999.9 78.0	Registration:N245DS Make: Diamond Model: DA-40
5260 Centr Conr Completed an	Aviation S al Pkwy. H oe, TX 773 Oil and and rem	ervices Hangar 14 303 Filter cl	En Ma Ser Tac AC	ake: Ly rial: L-3 ch# 778 CTT# 77 ris date. filter to	Model: IO-360-MIA 3585-51E 3.0 Hobbs# 999.9 78.0 check for contaminents, none noted.	Registration:N245DS Make: Diamond Model: DA-40
5260 Centron Completed an . Drained oil . Removed o	Aviation S al Pkwy. H oe, TX 773 Oil and and rem il sump f	ervices Hangar 14 303 Filter cl oved fil	En Ma Sen Tac AC hange the ter, cut is check for	ake: Lyrial: L-3 ch# 778 CTT# 77 his date. filter to	Model: IO-360-MIA 3585-51E 3.0 Hobbs# 999.9 78.0  check for contaminents, none noted. minents, none noted.	Registration:N245DS Make: Diamond Model: DA-40
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5260 Centron Completed and Drained oil Completed oil Completed oil Complete oil Com	Aviation S al Pkwy. H oe, TX 773 Oil and and rem il sump f agine with	ervices Hangar 14 303 Filter cl oved fil filter to ch h 8 quar	En Ma Sen Tac AC hange the ter, cut is check for the for proper to the check f	ake: Lyrial: L-3 ch# 778 CTT# 77 is date. filter to or contai illips X er opera	Model: IO-360-MIA 3585-51E 3.0 Hobbs# 999.9 78.0  check for contaminents, none noted. minents, none noted. 7/C 20W50 Oil and CH48110-1 filter. ation and for leaks, all satisfactory	Registration:N245DS Make: Diamond Model: DA-40 Serial: 40.833
5260 Centron Completed and Drained oil 2. Removed on 3. Serviced end. Performed a certify that a	Aviation S al Pkwy. H oe, TX 773 Oil and and rem il sump f legine with run-up to	ervices Iangar 14 303 Filter cl oved fil filter to c h 8 quar check f vas done	En Ma Ser Tac AC hange the ter, cut is check for the for proper in accordance in accor	rial: L-3 ch# 778 CTT# 77 ris date. filter to or contai illips X er opera	Model: IO-360-MIA 3585-51E 3.0 Hobbs# 999.9 78.0  check for contaminents, none noted. minents, none noted. 7/C 20W50 Oil and CH48110-1 filter. ation and for leaks, all satisfactory with FAA regulations and approved n	Registration:N245DS Make: Diamond Model: DA-40 Serial: 40.833
Completed and Drained oil Completed oil Completed oil Completed oil Complete oil Co	Aviation Solar Pkwy. Hooe, TX 773 Oil and and remil sump fingine with run-up to all work was found	ervices langar 14 303 Filter cl oved fil filter to c h 8 quar o check f vas done l to be in	En Ma Sen Tac AC hange the ter, cut is check for the for proper in account an air warms.	rial: L-3 ch# 778 CTT# 77 ris date. filter to or contai illips X er opera	Model: IO-360-MIA 3585-51E 3.0 Hobbs# 999.9 78.0  check for contaminents, none noted. minents, none noted. 7/C 20W50 Oil and CH48110-1 filter. ation and for leaks, all satisfactory	Registration:N245DS Make: Diamond Model: DA-40 Serial: 40.833
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MAXIMUM HOURS BETWEEN OVERHAULS\_

# ENGINE SERVICE AND

			80			Logbook		200 mayor	Registration:N245DS	
		+	2.0	M	lake: Ly	ycoming	Model: IO-360	)-MIA	Make: Diamond	TE .
	General	1 Aviation	Services			33585-51E			Model: DA-40	(
			. Hangar 14	4 Ta	ach# 867	7.2	Hobbs# 1113.4	4	Serial: 40.833	1
	Con	roe, TX 7	77303	A	CTT# 8	67.2				
$\dashv c_{c}$	ompleted a	n Oil an	d Filter c	change	this date.	١.				_
<b>—1</b> 1.	Drained oi	il and re	moved fi	ilter, cut	t filter to	o check for c	contaminents, no	one noted.		_
2	Removed o	oil sump	p filter to	check f	for conta	aminents, no	one noted.		,	
3.	Serviced e	engine w	vith 8 qua	arts of P	Phillips X	X/C 20W50 (	Oil and CH4811	10-1 filter.	1	
4.	Tighten all	ll cylinde	er drain b	back tub	bes, and	washed engi	ine down.			
-15	Performed	l run-up	to check	for pro	per oper	ration and for	or leaks, all satist	factory	1	-
—II с	certify that	all work	k was dor	ne in ac	cordance	e with FAA	regulations and	approved m	naintenance manual.	_
Th	nis Engine	was four	nd to be	in an ai	rworthy	condition, a	and is approved	for return to	service with	
	spect to wo					,	-			
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_	<del></del>			IA	uthorize	Signature!			Gregory J. Evans JR	1
_	Date:	3-17	-2016		7	1/1/2/		-	A&P 3023363 IA	-
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	Genera	l Aviation	n Services	100		-33585-51E	e de la companya del companya de la companya del companya de la co	Į.	Model: DA-40	L
		150	y. Hangar 1		Гасh# 91		Hobbs# 1173.	.3	Serial: 40.833	
$\neg$	Con	nroe, TX 7	77303	P	ACTT# 9		***************************************	- E		上
	ompleted a	an Oil ar	nd Filter					0.7		-
1.	Drained o	oil and re	emoved f	filter, cu	ut filter t	to check for o	contaminents, no	one noted.		-
2.	Removed	oil sum	p filter to	o check	for cont	taminents, no	one noted.			L
3.	Serviced e	engine w	with 8 qu	arts of l	Phillips 2	X/C 20W50	Oil and CH481	10-1 filter.		
4.	Performed	d run-up	to check	k for pro	oper ope	eration and fo	or leaks, all satis	sfactory		
-I c	certify that	t all worl	k was do	one in ac	ccordanc	ce with FAA	regulations and	d approved n	maintenance manual.	-
—TI	his Engine	was for	ınd to be	in an a	irworthy	y condition,	and is approved	for return to	o service with	-
	espect to wo							· ·		
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REPAIRS, ADJUSTMENTS, MODIFICATIONS SIGNATURE ENTRIES. DRAW A DIA GONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. SouthWest Texas Aviation Date: 01/06/2017 Tach: 926.3 ETT: 926.3 Reg.#: N245DS C/W 100 hour inspection referencing FAR Part 43 appendix (d) and Lycoming service/maintenance manuals. Compression tested: #1-72/80, #2-71/80, #3-73/80, and #4-71/80. Removed spark plugs, cleaned, inspected, gapped, tested, and reinstalled. Removed right and left magnetos and sent to Navajo Aircraft Accessories for overhaul inspection(See attached Paperwork). Re-installed LH magneto model 4347, S/N: 12041067 and RH Magneto model 4370, S/N: 10111103 with new hardware and gaskets, and timed to the engine. Removed oil dipstick tube, cleaned, re-installed with new SL72059 gasket, and safety wired tube to crankcase. Drained oil, removed filter, and inspected for metal. Serviced engine with 7qts X/C 20W50 and CH48110-1. Installed all new exhaust gaskets P/N: SL77611. Installed new rocker box cover gaskets, P/N: SL75906. Installed new intake gasket P/N: SL71973 on #3 cylinder. Adjusted engine mixture control referencing manufacturer's service manual. Verified AD compliance bi-weekly to 01/06/2017 per manufacturer. C/W AD 2015-19-07 by inspection of fuel injector lines and clamps, due again at tach: 1026.3. No new applicable AD's found at this time. A complete AD summery has been furnished to the aircraft owner and is part of the aircraft permanent records. Run-up, ops, and leak check, Ok. I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in an airworthy condition at this time. A&P 3168048 ≥ JD Casteel

**ENGINE** 

**N245DS** Reg:

Model: IO-360-M1A

S/N:

MS-17-03616 W/O:

6 April 2017 Date: 1,232.1

Hobbs: 959.9 Tach:

ACTT:

ETT:

Performed the oil and filter change and screen cleaning per Lycoming MSB No. 480E. Drained the oil. Removed and replaced the oil filter with new (p/n CH48110-1). Inspected the filter and the oil sump screen and did not find any metal contaminates. Serviced the engine with 7 quarts of Phillips 20W-50 X/C oil. Performed an engine ground run. Operational checks were satisfactory. No leaks or defects noted.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed. Pertinent details are on file under the above work order.

Signed:

CRS #M9TR576Y 525 Turbine Ave, Chesterfield, MO (636)532-6155

**ENGINE** 

**N245DS** Reg: IO-360-M1A

Model:

S/N: MS-17-03781 W/O:

Date: 25 August 2017

1,292.6 Hobbs:

1,008.1 Tach:

ACTT:

- Performed the oil and filter change and screen cleaning per Lycoming MSB No. 480E. Drained the oil, Removed and replaced the oil filter with new (p/n CH48110-1). Inspected the filter and the oil sump screen and did not find any metal contaminates. Serviced the engine with 7 quarts of Phillips 20W-50 X/C oil.
- Complied with AD 2015-19-07, effective date 11/3/2015, by inspection of the fuel injector fuel lines and clamps in accordance with Lycoming MSB No. 342G Fuel Line Inspection and Installation Checklist and Diagram #1. No defects noted.

Removed and replaced the alternator cooling SCAT hose with new (p/n F222060).

Performed an engine ground run. Operational checks were satisfactory. No leaks or defects noted.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed. Pertinent details are on file under the above work order.

CRS #M9TR576Y 525 Turbine Ave, Chesterfield, MO (636)532-6155

DATE	TIME RUN		N TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS,
18	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COM
BROUGHT					
FORWARD			1.00		
- <del>V</del>	de la				
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**ENGINE** 

**N245DS** Reg: Model: IO-360-M1A S/N: L-33585-51E W/O: MS-17-03891

23 January 2018 Date:

Hobbs: 1,357.1 1,058.0 Tach: 1,058.0 ACTT: 1,058.0 ETT:

Scheduled Inspections/Maintenance Checks:

1) Complied with the Annual Inspection/200 Hour Check per the "Maintenance Checklist Airframe" in reference to Diamond DA 40 Series Airplane Maintenance Manual, Doc.#6.02.01, Rev. 7, Chapter 05-28-50.

Complied with the Annual Inspection/200 Hour Check per the "Maintenance Checklist DA 40 with Lycoming IO-360-M1A Engine" in reference to Diamond DA 40 Series Airplane Maintenance A0.40, 10c.#6.02.01, Rev. 7, Chapter 05-28-00. 2)

Performed a differential compression test per AC 43.13-1B, Paragraph 8-14: 1) 74/80, 2) 73/80, 3) 74/80, 4) 75/80. Removed, cleaned and reinstalled the **fuel injector nozzles** in reference to Lycoming SI No. 1275C.

Performed the oil and filter change and screen cleaning per Lycoming MSB No. 480E. Drained the oil. Removed and replaced the oil filter with new (p/n CH48110-1). Inspected the filter and the oil sump screen and did not find any metal contaminates. Serviced the engine with 8 quarts of Phillips 20W-50 X/C oil. Sent in an oil sample for analysis.

Airworthiness Directives / Service Bulletins:

Complied with AD 2015-19-07, effective date 11/3/2015, by inspection of the fuel lines in accordance with Lycoming MSB No. 342G Fuel Line

Inspection and Installation Checklist and Diagram No. 1 of Supplement No. 1 To SB No. 342G. Next due at Tach 1168.0.

Complied with AD 2017-16-11, effective date 8/15/2017, by researching the aircraft records. Paragraph (c)(1) is not applicable by engine serial number per Lycoming MSB No. 632B Table 1. Paragraph (c)(2) is not applicable since no replacement parts listed in Table 2 were replaced during date range.

Cleaned, gapped, inspected and rotated the spark plugs in reference to Champion ASM (V6-R). Reinstalled plugs with new gaskets (p/n M674). Removed, cleaned and reinstalled the fuel injector nozzles in reference to Lycoming SI No. 1275C. Leak check satisfactory. 8)

Performed an engine ground run per FAR 43.15(c)(2) in reference to DA 40 Series AMM 05-28-91 Engine Ground Test. Operational checks were 10) satisfactory. No leaks or defects noted.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed. Pertinent details are on file under the above work order.

Signed

CRS #M9TR576Y

525 Turbine Ave, Chesterfield, MO (636)532-6155

**ENGINE** 

**N245DS** Reg: Model: IO-360-M1A L-33585-51E MS-17-03896 W/O:

Date: 23 January 2018

Hobbs: 1,357.1 Tach: 1,058.0 1,058.0 ACTT: ETT: 1,058.0

Removed and replaced the lower #1 cylinder spark plug with new (p/n REM38S).

Adjusted the timing of the left and right magnetos in reference to (L)IO-360-M1A Maintenance and Overhaul Manual, Section 72-60-03e.

Replaced one missing #2 cylinder rocker box cover screw and two baffle screws with new (p/n STD1925). 3)

Removed and replaced the #3 cylinder fuel injection line with new (p/n LW12098-0-180) with new clamps (2 ea. p/n LW16266-10-75 and 2 ea. p/n 4) LW16266-10-13) in reference to Lycoming MSB342G and the diagram per Lycoming MSB342G supplement 1.

Removed and replaced the oil dipstick tube gasket with new (p/n 72059)

Removed and replaced all four rocker box cover gaskets with new (p/n 75906) in reference to (L)IO-360-M1A Maintenance and Overhaul Manual, Section 6)

Performed an engine ground run per FAR 43.15(c)(2) in reference to DA 40 Series AMM 05-28-91 Engine Ground Test. Operational checks were 7) satisfactory. No leaks or defects noted.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed. Pertinent details are on file under the above work order.

Signed:

CRS #M9TR576Y 525 Turbine Ave, Chesterfield, MO (636)532-6155

PREVIOUS SUMMARY TOTAL SINCE MFG.

ENTRIES.	REPAIRS, ADJUSTMENTS, MODIFICATIONS  DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE Number
11 1 1	150 h F	02-04-1	7
<u>eddath</u>	ings completed TAW FAR 43 and lyconing V	AM.	,
Sand	& engine with 7cts A-mohall 15w50.		·
Rualace	I sil film with new Tampest AA48710-2.		
Tuenec	ted old filter no metal nated. Cyl. compression	جم	
0.5E 0.5	Follows: 5740 2)7260, 3)750,4) 750. M.O.	<b>80</b> .	
Claused	acoped and rotated sperk place. Checked		
magnet	o to engine timing. All applicable ADS		<del> </del>
condied	with Performed engine run, no destects or		-
lecks	noted. This engine has been inspected IAU		+
Co ann	uel hop, and has been tound to be atmosthy		
at the	5 time. She Call thep 2759388IA		
		Engine - page 1 of 1	- VIA-
	wo: WO_314		
	KJC Aircraft Services	June 15, 2020	-
	N245DS Tach: 1403.8	Guilo 16, 2525	
	Completed Annual Inspection reference FAR 43 appendix D.	84/80 #3 cvl. 70/80.	
	Completed Armual hispector relations that the following results: #1 cyl. 66/80, #2 cyl. (     #4 cyl. 78/80.	1	
	<ol> <li>3. Drained engine oil and removed filter. Cut open old filter and inspected. No new 48110 oil filter. Serviced engine with 7 qts Aeroshell15W50.</li> </ol>	ietai iouno. Installeo	
	and a second a second and a second a second and a second a second and a second and a second a second a second	eterence FAR 43 ap-	4
	I certify this engine has been inspected in accordance with an Annual inspection rependix D and was determined to be in an airworthy condition. With respect to the	work performed, this	41
	pendix D and was determined to be in an airwormy condition. With respect to the engine is approved for return to service. Details of work performed are on file with under work order: WO_314.	AND	
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	No Notes to the second		
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\_HOURS.

# A Textron Company

## AIRWORTHINESS DIRECTIVE COMPLIANCE LIST

5/30/07

652 Oliver Street

Williamsport, PA 17701 U.S.A.

Engine Model No: IO-360-M1A

Engine SN: L-33585-51E

Page 1 of 2

AD NO. / SB	RV RV		Next Due	Once Rec	Code Sign
2002-26-01 342	E	FUEL LINE AND SUPPORT CLAMP INSPECTION & INSTALL. NEW LINES INST, WITH NEW CLAMP	100 HOURS	х	1 3
2004-10-14 475	С	CRANKSHAFT GEAR MODIFICATION AND ASSY PROCEDURES NEW P/N INSTALLED	N/A	x	1 3
2005-19-11 566		Crankshaft replacement Replace Crankshaft	N/A	×	1 3
75-09-15 382		BENDIX FUEL INJ RS-43 INSP OF MOD OF FLOW DIVIDERS NEW P/N GASKET INSTALLED	N/A	×	1 3
93-11-11 N/A		AC, TEXTRON LYC FUEL PUMP O/H BY AERO ACCESSORIES NEW AC F/P INST. WHEN APPLIC.	, N/A	×	1 3
94-01-03 N/A	R2	DEFECTIVE IGN COILS AND ROTATING MAGNETS NEW CONFIGURATION PART INST.	N/A	X	1 3
94-06-09 517	e raesamen and re-a	INCOMPLETE INTERNAL GROUNDING ON MAG CAPACITORS NEW CONF. CAPACITORS INSTALLED	N/A	x	1 3
96-23-03 525	Α	HIGH PRESSURE FUEL PUMP INSTALLED LW-15473 NEWLY MANUFACTURED PUMPS INST.	N/A	x	1 3
97-15-11 527	С	RECALL OF PISTON PIN P/N LW-14077 NEW CONFIGURATION P/N INST.	N/A	x	1 3
98-02-08 530	A	INSPECTION OF CRANKSHAFT ID FOR CORROSION MAG INSP./APPLY URETHABOND 104	N/A	×	1 3
002-12-07 43	В	OIL FILTER CONVERTER PLATE GASKET REPLACEMENT NEW P/N CONVERTER PLATE INSTALLED	N/A	×	2
03-14 <b>-</b> 03 9	В	ROTARY FUEL PUMP TORQUE. NEW PUMP WITH "/M" SUFFIX INSTALLED	N/A		X 2
06-06-16 S Sup 1		Replace crankshaft Crankshaft replaced	N/A	X	2
6-10-21	P	ECI connecting rods P?N AEL11750 Used genuine Lycoming Parts	<b>N/A</b>	x	2
6-12-07		ECI Cylinder Assemblies P/N AEL65102 Used genuine Lycoming parts	N/A	X	2
6-20-09		CRANKSHAFT REPLACEMENT REPLACE CRANKSHAFT	N/A	×	2
16-05 Ina		AC FUEL PUMP OIL SEAL NEW CONF. FUEL PUMP INSTALLED	N/A	×	2
1116					

#### Codes:

- 1 AD Applicable to Engine
- 2 AD Not Applicable to Engine

3 Field Compliance where applicable

#### AIRWORTHINESS DIRECTIVE COMPLIAN

652 Olive	r Street	**************************************	5/30/07		Page 2 0
AD NO. /		Engine Model No: IO-360-M1A	Engine SN: L-33585-51E	Once Rec	Code Si
AD NO. / SB	RV		Next Due	Once Rec	
66-06-03		REPLACEMENT OF CONNECTING ROD ASSY.		×	2
302	A	NEW ROD CONFIGURATION	N/A		
66-20-04		OIL FILTER ADAPTER GASKET	-	×	2
307		NEW CONF. GASKET INSTALLED	N/A		
67-22-06	4	REPLACEMENT OF BENDIX FUEL DIAPHRAGM ASSY		v	•
305	В	NEW OR NEWLY O/H INSTALLED	N/A	X	2
71-05-02		INSPECTION OF CENTER MAIN BEARING			
327	С	NEW INSTALLED	N/A	X	2
71-11-02		REPLACEMENT OF EXH & INT HYD TAPPET PLUNGERS	The second secon		
328		NEW P/N HYD TAPPETS INSTALLED	N/A	X	2
73-23-01		INSP FOR CRACKS IN PISTON PINS			
367	F	INST NEW PARTS	N/A	X	2
'8-23-10		BENDIX FUEL INJ. BULLETIN RS-42			
28		NEW P/N INSTALLED	N/A	X	2
9-04-05		BENDIX FUEL INJ. BULLETIN RS-57			
133	Α	NEW P/N INSTALLED	N/A	X	2
37-10-06	R1	INSPECTION AND REWORK OF LW-18790 ROCKER ARM ASSY			
477	Α	NEW CONFIGURATION P/N INST.	N/A	X	2
90-04-06	R1	PROPELLER GOVERNOR LINE SUPPORT			
488	A	NEW LINE W/STEEL CON. NUTS INS	N/A	X	2
92-12-05		LW-14077 PISTON PIN			
501	В	NEW PARTS INSTALLED	N/A	X 	2
3-14-15		INST OF PLCKRD DENOTING OPER. NOT TO EXCEED 33.#HG			_
/A		FIELD COMPLIANCE AFTER STC	N/A	X	2
-07-01		CONNECTING ROD BOLT FAILURE			
A	1	YCOMING PART INSTALLED	N/A	X	2
-26-02	·····	ENGINES OPERATED WITH LOW OCTANE FUEL			
8		ENGINE IS NEW OR HAS BEEN REBUILT AT MANUFACTURER	N/A	X	2
09-10	F	REPLACEMENT OF OIL PUMP IMPELLERS			
4		STEEL IMPELLERS INSTALLED	N/A	<b>X</b>	2
17-11		CRANKSHAFT REPAIRED BY NELSON BALANCING SERVICE			
A		MAG/PARTICLE INSP OF C/SHAFT	N/A	X	2

#### Codes:

- 1 AD Applicable to Engine
- 2 AD Not Applicable to Engine
- 3 Field Compliance where applicable

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FORM FAAR (REV. 11/99)

# RECORD OF ENGINE DIRECTIVES (A/D), SERVICE BULLETINS (S/B),

•	MODS	DETAILS OF	
		<b>Diamond</b>	-
	· ř.,	Date: 29 August, 2007 S/N: 40.833 Reg: N245DS Engine S/N: L-33585-51E Eng TTSN: 6.0 HRS	
A Copper		The following S/B and S/I have been carried out as applicable:  DAI SI 40-005/Lycoming SB 342E/AWD 93-02-05 Fuel Line(stainless steel tube assy.) and support clamp Inspection and Installation New – Due every 100 hours. SI 40-009(FAA AD 2002-26-01) – Externally mounted fuel injection lines – C/W DAI SI 40-010- Repair of certain injection servos – N/A due to S/N of unit.  MSB 40-009 Improvement of ground-connection to Alternator – N/A by A/C S/N.  MSB 40-012 Replacement of Mixture Control Cable N/A as already Incorp. During mfg. Precision Airmotive Fuel Servo SB PRS-105 – N/A due to S/N of unit.  Textron Lycoming MSB 565 – Replacement of Diaphragm-Type Fuel Pumps P/N LW-15473 with date code of 3201 – N/A as date code does not match installed on this A/C  Textron Lycoming MSB 548A/DAI SI 40-023 – Diaphragm-Type Fuel Pump – with a date code of 0700 through 0401- N/A as date code does not match installed on A/C  Textron Lycoming AD 2002-12-07-Prevent Complete loss of engine oil-N/A due to M/N  Bi-weekly AWD check carried out to current revision 2007- 13  The maintenance described above has been performed in accordance with the applicable standards of airworthiness.  DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVALUSED STATES SIGNATURE STATES STATE	
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