AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

ENGINE LOG

1.	Make	LYCOMING
2.	Model	IO-360-11/A
3.	Specification	1EIO
4.	Manufacturer's Serial Number —	L-32011-57A
5.	Date of Manufacture	
6.	Aircraft Inspection Cycle	

DATE	TIME RUN		OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANT CINES AS RECORDED
BROUGHT FORWARD		-	6	6	ENGINE INSTALLED NEW ON DAYO
					Engine installation inspected I.A.W. Diamond Aircraft Industries Inc. DA 40 W.I.S. Rev: E 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
				1	
IWE 08 2005			4	9	HOURS BROUGHT FORWARD -

A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL. 21.4 Hrs. TACH TIME: TYPE: DIAMOND DA40-180 ENGINE TT: 21.4 Hrs. N333PU DATE: 06/02/2006 At this time the engine was cleaned for inspection. All components were inspected in accordance with Diamond and Textron Lycoming Service Manuals. The oil was drained and the filter was removed, cut open, and inspected - no defects were noted at this time. The engine was serviced with eight quarts of Phillips 20W50 Mineral oil and a new Champion CH48110-1 oil filter was installed. The compression was taken with the following results: #1-76/80, #2-77/80, #3-76/80, and #4-77/80. The magneto to engine timing was checked and found within limits. The ignition leads were cleaned and tested. The spark plugs were removed, cleaned, tested, rotated, and reinstalled. The engine was washed and ran - no leaks noted at this time. AD 2004-10-14, effective 6/25/2004, on crankshaft failure, is due at prop strike as defined in paragraph (i) and (j). AD 2002-26-01, effective 1/31/2003, on fuel injector lines, was complied with by inspection in accordance with Lycoming SB342E, the next compliance is due at each 100 hour/annual, overhaul, or whenever lines are loosened or removed. All AD's were checked thru BIweekly 2006-10. -----END------A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL. TACH TIME: 35.3 Hrs. DIAMOND DA40-180 TYPE: ENGINE TT: 35.3 Hrs. N333PU "N" #: DATE: 06/28/2007 At this time, the engine was cleaned for inspection. All components were inspected in accordance with Diamond and Textron Lycoming Service Manuals. The oil was drained and the filter was removed, cut open, and inspected - no defects were noted at this time. The engine was serviced with eight quarts of Phillips 20W50 Mineral oil and a new Kelly Aerospace ES48110 oil filter was installed. The compression was taken with the following results: #1-77/80, #2-76/80, #3-76/80, and #4-76/80. The magneto to engine timing was checked and found within limits. The ignition leads were cleaned and tested. The spark plugs were removed, cleaned, tested, rotated, and reinstalled. The engine was washed and ran - no leaks noted at this time. AD 2006-12-07, effective 06/11/2006, to prevent loss of engine power due to cracks in the TC cylinder assemblies, does not apply because ECI cylinder assemblies are not installed. AD 2004-10-14, effective 6/25/2004, on crankshaft failure, is due at prop strike as defined PF in paragraph (i) and (j). -----CONTINUED

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	A & M Mainter	nance Services, Inc 1C5		
	TYPE: DIAMOND DAME 100	a Airport, Bolingbrook, Il		
	N #: N333PU	TACH TIME ENGINE TT	CONTRACTOR OF THE PROPERTY OF	
	DATE: 06/02/2006	ENGINE 11	21.4 Hrs.	
	I certify this engine has been inspected in ANNUAL INSPECTION and was also	nocordana w to		The same
	ANNUAL INSPECTION and was deterr	nined to be in airworthy	condition	
	Marc. On	and mortally (ORRIGH	7000
	Marilina Angarone			_
	AP 344688075 IA			
	A & M Mainte	enance Services, Inc 1C nal Airport, Bolingbrook,	5 II.	
	TYPE: DIAMOND DA40-180	TACH TIN		
	"N" #: N333PU	ENGINE T		
	DATE: 06/28/2007			A TO TO LINE
	AD 2002-26-01, effective 1/31/2003, or	n fuel injector lines, was	complied with by	
	inspection in accordance with Lycomin	g SB342E, the next comp	oliance is due at each i	100
	hour annual, overhaul, or whenever lin All AD's were checked thru BI-weekly	20017-17 acceptances	·····································	
	is to be been inemerted t	n accordance with an		
	I certify this engine has been inspected.			STREET, SALES OF THE PARTY OF T
	I certify this engine has been inspected in ANNUAL INSPECTION and was determined	rmined to be in airworth	y condition.	
	ANNUAL INSPECTION and was dete	rmined to be in airworth	y condition	
	ANNUAL INSPECTION and was dete	rmined to be in airworth	, Cindinon	
MAXIM	ANNUAL INSPECTION and was dete	rmined to be in airworth	, Change	

All AD's were checked thru BI-weekly 2009-17. -----END------

paragraph (i) and (j).

MAINTENANCE RECORD

ENTRIES. DR	A & M Ma Clow Interns	intenance Services, Inc. – 1C5 ational Airport, Bolingbrook, IL	LICENCE
***************************************	TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 08/01/2008	TACH TIME: 45.9 Hrs. ENGINE TT: 45.9 Hrs.	
	I certify this ENGINE has been inspected ANNUAL INSPECTION and was determed and Annual Inspected Annual Insp	l in accordance with an nined to be in airworthy condition.	
		ance Services, Inc. – 1C5 1 Airport, Bolingbrook, IL	
	YPE: DIAMOND DA40-180 N" #: N333PU ATE: 09/03/2009	TACH TIME: 64.7 Hrs. ENGINE TT: 64.7 Hrs.	
A	bertify this ENGINE has been inspected in accommunate in the NNUAL INSPECTION and was determined to the Communication of the Communicat	cordance with an to be in an airworthy condition.	

DATE	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS,
	HRS.	MIN.	HRS. MIN.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
ACTION OF	rabe is notify		1 6 34		
					nce Services, Inc. – 1C5 Airport, Bolingbrook, IL
TYPE:	DIAM	ND DA4			
"N" #:	N333PI	ALCOHOLD WAS A	0-180		TACH TIME: 75.7 Hrs. ENGINE TT: 75.7 Hrs.
DATE: 10/01/2010					ENOUNE II. 73.7 HIS.
At this	ime the F	NGINE	as cleane	for incre	ection. All components were inspected in
accorda	nce with I	Diamond a	nd Textro	n Lycomir	ng Service Manuals. The compression was
perform	ed with th	e followin	g results:	#1-70/80	, #2-75/80, #3-72/80, and #4-75/80. The oil was
. drained	and the fil	ter was re	moved, cu	t open and	d inspected - no defects were noted at this time. The
engine v	vas service	ed with eig	ght quarts	of Phillips	s 20W50 X/C oil and a new Champion CH48110-1
oil filter	was insta	lled. The	magneto t	o engine t	iming was checked and found within limits. The
ignition	reads wer	e cleaned	and tested	The fuel	injectors were cleaned and reinstalled. The spark
at this to	me	a, testea, i	otated, an	d installed	The engine was washed and ran – no leaks noted
					CONTINUED
			ANY SERVICE		
	**				
51			Clow In	ternation	nance Services, Inc. – 1C5 al Airport, Bolingbrook, IL
TYPE		MOND DA	40-180		TACH TIME: 84.8 Hrs.
"N" #			Section and the	Salah da ara	ENGINE TT: 84.8 Hrs.
DATI					
At thi	s time, the	ENGINE	was clear	ned for ins	spection. All components were inspected in accordance
- with L	namond a	nd lextro	n Lycomii	12 Service	Manuals The compression was performed with the
Iollow	ing result	5: #1-74/8	0. #2-74/3	80, #3-75	80, and #4-74/80. The oil was drained and the filter
was re	moved, ci	it open and	d inspecte	d - no def	ects were noted at this time. The engine was serviced
winne	gnt quart	or Phillip	os 20W50	X/C oil a	and a new Champion CH48110-1 oil filter was
inetall	vu. 1 He m	d tested T	he enarly	ung was c	hecked, no adjustment needed. The ignition leads cleaned, inspected, tested, and rotated. The intake,
instan	leaned and		me spark	unis were	cleaned, inspected, tested, and rotated. The intake
_ were c	icaned and	covers and	d baffling	hardwere	was charled for security and it to
were c	st, rocker of was wash	ed and rai	n – no leal	hardware ks noted a	was checked for security and tightened as needed. The
were c	st, rocker of was wash	ed and rai	n – no leal	hardware ks noted a	was checked for security and tightened as needed. The
were c exhau engine AD 20 RSA-1	st, rocker of was wash 11-15-10 0 installed	ed and rai effective	08/16/20	ks noted a	was checked for security and tightened as needed. The this time.
were c exhausengine AD 20 RSA-1 AD 20	st, rocker of was wash 11-15-10 0 installed 08-14-07	ed and rai effective	08/14/20	ks noted a	was checked for security and tightened as needed. The this time.
were c exhaus engine AD 20 RSA-1 AD 20 accord	was wash 11-15-10 0 installed 08-14-07 ance with	ed and rai effective d. effective Lycoming	08/16/20 08/14/20 08/342F.	ks noted a 11, on fue 08, on fue the next	was checked for security and tightened as needed. The t this time. el servo's, does not apply by Precision Airmotive el injector lines, was complied with by inspection in
were c exhaus engine AD 20 RSA-1 AD 20 accord	was wash 11-15-10 0 installed 08-14-07 ance with	ed and ran effective d effective Lycoming	08/16/20 08/14/20 SB342F,	nardware ks noted a 11, on fuc 08, on fuc the next	was checked for security and tightened as needed. The this time. el servo's, does not apply by Precision Airmotive el injector lines, was complied with by inspection in compliance is due at annual, 100 hours (not to exceed
were c exhause engine AD 20 RSA-1 AD 20 accord 110hrs AD 20	was wash 11-15-10 0 installed 08-14-07, ance with 04-10-14,	ed and ran effective d effective Lycoming d, or when	08/16/20 08/14/20 08/342F, never lines 6/25/200	nardware ks noted a 11, on fuc 08, on fuc the next are loose	was checked for security and tightened as needed. The this time.

111232			and the second s	
_	A & M Maintenance Clow International Air			
	TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 10/01/2010	TACH TIME: ENGINE TT:	75.7 Hrs. 75.7 Hrs.	
	AD 2008-14-07, effective 08/14/2008, on fuel inject accordance with Lycoming SB342F, the next compli 110hrs), overhaul, or whenever lines are loosened or AD 2004-10-14, effective 6/25/2004, on crankshaft paragraph (i) and (j). All AD's were checked thru B	ance is due at annual, 100 removed. failure, is due at prop stri	hours (not to exceed ke as defined in	
	I certify this ENGINE has been inspected in accordar ANNUAL INSPECTION and was determined to be	nce with an in an airworthy condition.	The second se	
	Marilina Angarone AP 344688075 IA			
			-te-vir.	
	A & M Maintenance S			
	A & M Maintenance Clow International Airy TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 10/19/2011		84.8 Hrs. 84.8 Hrs.	
	TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 10/19/2011 I certify this ENGINE has been inspected in accordar 100HR INSPECTION and was determined to be in	TACH TIME: ENGINE TT:		
	TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 10/19/2011 Lecrtify this ENGINE has been inspected in accordance.	TACH TIME: ENGINE TT: nce with a an airworthy condition.	84.8 Hrs.	

	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS,
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLEY
BRI FO					nance Services, Inc. – 1C5 nal Airport, Bolingbrook, IL
— TYI "N" DA	#: N333	MOND DA PU 5/2012	40-180		TACH TIME: 93.4 Hrs. ENGINE TT: 93.4 Hrs.
folker was with instruction were exhresis according to the control of the control	removed, concepts alled. The management of the m	ut open and sof Phillipagneto to ad tested. To covers, and hed and rate of Lycominul, or when the covers of Lycominul, or when the c	d inspecte ps 20W50 engine tin The spark p d baffling in – no lea e 01/25/20 g SB342F never line e 03/27/20	80, #3-70, d - no def X/C oil a ning was of plugs were hardware ks noted a 12, on fue, the next is are loose 12, on H/C	Manuals. The compression was performed with the /80, and #4-74/80. The oil was drained and the filter fects were noted at this time. The engine was serviced and a new Champion CH48110-1 oil filter was checked, no adjustment needed. The ignition leads are cleaned, inspected, tested, and rotated. The intake, was checked for security and tightened as needed. The art this time. In this time. In this time, was complied with by inspection in compliance is due at annual, 100 hours (not to exceed ened or removed. A-6 carbs, does not apply—equipment not installed. In this time is due at annual, 100 hours (not to exceed ened or removed. A-6 carbs, does not apply—equipment not installed. In this time is due at annual, 100 hours (not to exceed ened or removed. A-6 carbs, does not apply—equipment not installed.

STRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LIN	CATIONS ES IN DATE AND TIME COL	UMNS.	SIGNATURE	LICENCE
Clow International	nice Services, Inc. – 1C5 Airport, Bolingbrook, IL			
TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 09/06/2012	TACH TIME: ENGINE TT:	93.4 Hrs 93.4 Hrs	SALES CONTRACTOR OF THE PROPERTY OF THE PROPER	
I certify this ENGINE has been inspected in accident to the second secon	cordance with a be in an airworthy condition.			
March 18, 2014 61000 Tach Alter. Added 89ts Phil Inspected old Filter - ok. Checked magneto timing-	Cleaned, gaps both 250 BTG	ed a	I new city	plegs.
Verified all engine conti	ols for limi	t tra	val. c/w	AD 2011-20
line maintenance or over Bycraft Permanunt Reco	ha.1. 100 1	unals	1. 140 113	110
Annual five Hr. inspection Annual five Hr. inspection Airworthy condition la	ngine has bee	hermi's	ed to be	in
74076				-

DATE	TIME	TIME RUN		TIME RUN		TIME RUN		TIME RUN		TIME RUN		TIME RUN		SINCE	INSTALLATIONS, INSPECTIONS,
	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE										
BROUGHT		-	1												
20 /	1	- /	-	11.1											
lay 1,2	0/13	ach	6armi	10/	TT-104.1 Hrs. Changed oil and filter.										
	Add	ed	8975	Ph.	lips XC LOWSO oil and new CHYPUD.										
	ins	pacted	06	15	Her-ok. Cleaned, gapped and tested plus										
	Reti	med	bot	46 N	reas to 25° BTC using timing discourse										
	pisto	m 51	Sp. 1	Kesla	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
	Chec	ked	com	acess!											
	c/w	10	2011.	- HINKE	V 1 100 100 100 17 1/10.										
C FREE W	ms	334.	ZF.	Dur	Clamps per										
	Mai	nter	ence	20	and and to										
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	the	1 4	E	ngine	in Mircraft terminent Records." I certify										
	insa	action	Lands.	1	1 mud / not										
		211	Vin	Wa	times to be in processing could.										
164 J. 160	1	10	The same	1	3509009 JA Noble Aviation LLC										
June 1.	2016	To the	1 40	+	6-4										
		48/	716	4/-/	8.2 Hrs. Eng TT - 118.2 Hrs Performed										
	21	FA	0113	inspe	ofin The Diamond DAYO Maintenance Manual										
	15W	FA	45 /	APO.	Changed oil and Filter Added 80 ts August										
	Cla	1	10	av CI	148/10-1 oil filter. Inspected old Filter ok,										
	オー	aca,	gaff	ed a	tested Dues. Checked										
	12	18/0	4378	Soth,	1 78/m 04 00 Checked compression - * 179/80										
2.4.alt. Fa	MED	700	100	100	18/80. C/w AD 2015-19.07 by inspection per										
A PARTY OF	11130	4.1	CFU	1 line	inspection and installation checklist.) Due										
	2 gain	Dero	ne a.	18.2	ACTT or next line maintenance. AD 2004-10-19										
	The	To nex	V Po	\$510	Ke see AD See complete AD list in Aircraft										
	+1.1	Jenen 11	1/10	conds	Ground range leak checked I certify										
4.7	Inat	This	Engl	be h	been inspected Jan a certify										
	and	was 4	deter	mhec	been inspected JAW an Annual from the inspection to be in significantly conditions - and wor IA Noble Arietion LLC Eagle River, W.T.										
	1/9	Molen	DAY	P 3509	one -1 /11 conditions - end -										

Clow International	ance Services, Inc 1C5 Airport, Bolingbrook, IL		LICENCI
TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 10/23/2018	TACH TIME: ENGINE TT:	127.6 Hrs. 127.6 Hrs.	
At this time, the engine was cleaned for inspective reference with a 1000-HOUR/ANNUAL INSP Service Manuals. The compression was perform #3-79/80, and #4-79/80. The oil was drained at defects were noted at this time. The oil suction serioustalled with new gasket. The engine was ser and a new Champion CH48110-1 oil filter was checked, no adjustment needed. The ignition lead cleaned, inspected, tested, and rotated. The fuel exhaust, rocker covers, and baffling hardware was prop governor gasket was replaced. The engine AD2015-19-07, effective 11/03/2015, on fuel in Lycoming S.B. 342G. Compliance is due every engine overhaul, or if any clamp has been move AD 2017-16-11, effective 08/15/2017, on engine replaced. AD 2004-10-14, effective 6/25/2004, on cranks paragraph (i) and (j). All AD's were checked the	rection per Diamond and L. med with the following results: and the filter was removed, cut of screen was removed, inspected viced with eight quarts of Phili installed. The magneto to engine did were cleaned and tested. The servo inlet screen was inspected was checked for security and tig was washed and ran – no leaks injector lines, was complied with 100 Hours TIS, not to exceed ad, loosened or disconnected interesting rods, does not ap shaft failure, is due at prop stri ru BI-weekly 2018-21.	#1-76/80, #2-78/80, ppen and inspected - no l, cleaned and lips 20W50 X/C oil me timing was ne spark plugs were ed. The intake, phtened as needed. The s noted at this time. th by inspection per 110 hours, or at oply by no parts ke as defined in	
A & M Maintena Clow International	nce Services, Inc. – 1C5 Airport, Bolingbrook, IL		
TYPE: DIAMOND DA40-180 "N" #: N333PU DATE: 10/23/2018	TACH TIME: ENGINE TT:	127.6 Hrs. 127.6 Hrs.	
I certify this ENGINE has been inspected in according to be in an airworthy condition. John J. Blaha Jr. AP 2233954 IA	cordance with an ANNUAL IN	SPECTION and was	