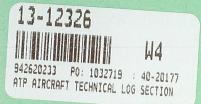
## AIRCRAFT TECHNICAL RECORD

Section 2. INSTALLATIONS & MODIFICATIONS LOG



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## **INSTALLATIONS & MODIFICATIONS**

1. Nationality and Registration:

N168

2. Manufacturer's Designation:

DA 40 NG

3. Record of:

- a. Engine Installations
- b. Propeller Installations
- c. Airworthiness Directives (A/D)
- d. Service Bulletins (S/B)
- e. Special Inspections (S/I)
- f. Modifications (MODS)

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Section	2A:	Record	of	<b>Engine</b>	&	Propeller	Installation	
---------	-----	--------	----	---------------	---	-----------	--------------	--

ection 2A:	ction 2A: Record of Engine & Propeller Installation												
DATE	ENGINE OR PROPELLER MAKE & MODEL	SERIAL#	POSITION	DATE INSTALLED	DATE REMOVED			0 × 8 0 × 8 1	9241512		NAME/ SIGNATU	LICENCE: AMEOR AMO/ACA	
	<b>Wind Diamond</b>								_				
	DIAMOND AIRCRAFT INDUSTRIES INC.  D.O.T. APPROVED MANUFACTURER #161-93  Contract the property of the property												
	<ul><li>Austro Engines GmbH E4-A</li><li>MT-Propeller Entwicklung Gr</li></ul>	Engine, S/N: E4-A-06		ne Total Time: d 'New'.	3.3 HRS		ç						
	MT-Propeller Entwicklung Gr  DA  QA 3	mbH MTV-6-R/190-69	Propeller, S										
	Inspector	(Intentionally left blan	k below this		0 5 2023 Date								
	(Intentionally left blank below this point)					*.							
7, 20 7, 10				-					,				
		-											
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										0)			

Section 2B:	Record of Airframe Airworthiness Dir Special Inspections (S/I), and Modifi	rectives (A/D), Service Bulletins (S/B), ications (Mods)	B1							
DATE	A/D, S/B, S/I, MODS	DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)			NAME/ SIGNATURE	LICENCE: AME or AMO/ACA				
			-							
- -	Diamond  DIAMOND AIRCRAFT INDUSTRIES INC  D.O.T. APPROVED MANUFACTURER #10	<b>61-93</b> AC Serial Number: 40.NC245								
-	<ul> <li>The following STC's are incorporated:</li> </ul>	Engine Serial Number: E4-A-06518 Prop Serial Number: 220554 Airframe Total Time: 3.3 HRS								
_	FAA STC No. SA03366NY (Be									
_		o current revision 2023-12 all applicable AD's complied with, see	*							
4	attached.	d out in accordance with the applicable Standard of Airworthiness.								
-	DA QA 3	JUN 0 5 2023								
-	Inspector	Date			1					
	/ (Intentio	nally left blank below this point)								
-			<u> </u>			2				
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			- Company of the Comp							
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·									
1. Approving	Civil Aviation Authority/Country  Transport Canada	2.	AUT	HORIZED RE	ELEASE C	ERTIFICATE			3. Form Tracking Number:
	Transport Ganada			FO	RM ONE				SI205041
Diamo 1560 C	4. Organizations Name and Address:  Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad London, Ontario N5V1S2					5.Work Order/Contract/Invoice PO22-00115			
6. Item:	7. Description: Winglet, RH Customer Support F	Replacement Compone	8. Part Number:	NAD4	9. Quantity:	10. Serial/Batch Numbe	rc		11. Status/Work:
12. Remarks:	Customer Referer	nce PO22-00115					6		
App	that the items identified above were proved design data and are in condition-approved design data specified in I	on for safe operation	ty to:	Certifies that ur and described in Canadian Aviation	Other regulation	Maintenance Release ons specified in block 12 specified in Block 12, the s been performed in comp	work id liance w	entified in Block 11 vith the	
13b. Signatu	re -	13c. Approval Organizati	on Number /161-93	14b. Signature			14c.	Approved Organization Number	
13d. Name  Derreck I	Leenders	13e. Date (dd/mmm/yyy		14d. Name			14e.	Date (dd/mmm/yyyy):	
30 Dec 200	08(Previously form 24-0078)						manufacture of the second		
	e does not constitute authority to insiking in accordance with the national			pecified in Block 1,		at their regulations recogn	nize cert	ifications from the country	
Statements 13 regulations be	3a or 14a do not constitute installation of the aircraft may be flown.	on certification. In all cases	the aircraft technical	record must contain	an installation	certification issued in acco	ordance	with the applicable national	

. TACH .: 43.4

N168

Approving	Civil Aviation Authority/Country	. 2	2.	IODIZED D	ELEVOE	ERTIFICATE		Form Tracking Number:
	Transport Canada		AUT			ENTIFICATE		SI222207
			*****	FC	ORM ONE			31222201
4. Organizati	ons Name and Address:							5.Work Order/Contract/Invoice
	ond Aircraft Industries Ir	ıc.						
	Crumlin Sideroad							SN: E4-A-06518
Londo	on, Ontario N5V1S2							
					T	T		
6. Item:	7. Description:		8. Part Number:		9. Quantity:	10. Serial/Batch Numbe	:r:	11. Status/Work:
1	Oil Sump Gasket		E4A-05-000-003		1	RC2400889 (1)		NEW
2	Main Bearing Screw		E4A-10-100-202		6	RC2400880 (6)		NEW
3	O-Ring		DIN3771-16X3-ACM7	0	1	RC2400880 (1)		NEW
4	Gasket, Copper, 14x18x2.0		DIN7603-14X18X2.0		2	RC2401113 (2)		NEW
5	Gasket		E4A-05-000-104		1	RC2401113 (1)		NEW
6	O-ring		OR_7.8X3.2-ACM70		1	RC2401113 (1)		NEW
7	Gasket, 12x16		DIN7603-A12X16-AL		2	RC2106212 (2)		NEW
8	Gasket, 14x20		DIN7603-A14X20-CU		1	RC2401112 (1)		NEW
9	Gasket, Exhaust		E4A-04-000-003		1	RC2401112 (1)		NEW
10	Nut, Hex, M10 with flange		2142110		4	RC2400375 (4)		NEW
11	Nut, Self-Locking		NAS1758L8		1	RC2401112 (1)		NEW
12. Remarks	Customer Referen	nce PO# 4957						
		-1						
13a. Certifie	s that the items identified above were	manufactured in confor	mity to:	14a.	CAR 571.10	Maintenance Release		
Ap	proved design data and are in conditi	ion for safe operation			Towner regulation	ons specified in block 12		
No	n approved design data appoined in I	Diagle 12		Certifies that u				
I NO	n-approved design data specified in I	BIOCK 12.			i in Block 12, na ation Regulation	s been performed in comp	bliance with the	
		- Landerson		Carlaulari Avia	alion Regulation	15		
13b. Signat	tre	13c. Approval Organiz	zation Number	14b. Signature	е		14c. Approved Organization Number	
=		757	/161-93				包括是"包括通常性性"	
13d. Name		13e. Date (dd/mmm/)	vvv):	14d. Name			14e. Date (dd/mmm/yyyy):	
Derreck	Leenders	06/Feb/20	24					
30 Dec 20	08(Previously form 24-0078)							
			Insta	ller Respor	nsibilities			
This cortifica	te does not constitute authority to ins	tall		•				
			other than the authority on	ecified in Block 1	must ensure t	hat their regulations recogn	nize certifications from the country	
specified.	rking in accordance with the national	regulations of a country	outer than the authority sp	eonieu iii biock 1	, must ensure t	nat treir regulations recogi	mize certifications from the country	
	13a or 14a do not constitute installation perfore the aircraft may be flown.	on certification. In all cas	ses, the aircraft technical re	ecord must conta	in an installatio	n certification issued in acc	cordance with the applicable national	

150.	Competent Authority / Country  Austro Control GmbH  Austria		3. Form Tracking Number  ASA FORM 1  AE0486				
4. Organisatio Name ar	n nd Address	Rudolf	Engine GmbH Diesel Straße 11 Neustadt, AUSTRIA		5. Work Order / Contract / Invoice ES241209		
6. Item	7. Descritption	8. Part No.		9. Quantity	10. Serial No.		11. Status / W
1	system turbocharger and EPW	E4A-00-410-BHY	ss. AC3	1	YL60578296000	036	New
General  13a. Certifies	that the items identified above were manufacture approved design data and are in co		Part-145.A.50 Re Certifies that unless otherwise s and described in block 12 was a	specified in block 12 th			in block 12
	non-approved design data specifie		respect to that work, the items a	are considered ready f			
13b. Authorise	ed Signature	13c. Approval /Authorisation Number AT.21G.0010	14b. Authorised Signature		14c. Certificate	Approva Reference Numbe	r
13d. Name	W. Mondi Cert. Staff	13e. Date (dd mmm yyyy)  0 2 APR 2024	14d. Name		14e. Date (dd m	mm yyyy)	
This certifica authority spe	ALLER RESPONSIBILITIES te does not automatically constitute authority to i cified in block 1, it is essential that the user/insta	install the item(s). Where the user/installer performs wo aller ensures that his/her airworthiness authority accepts ords must contain an installation certification issued in a	items from the airworthiness authori	ity specified in block 1	. Statements in ble	ocks 13a and 14a do not con	stitute

EASA Form 1 - 21 Issue 2

Freigabe: 01.Sept. 2019 / C. Prinstinger

FOQ05\_Form1\_rev1

V168 1-9-24

Approving Civil Aviation Authority/Country     Transport Canada		2.	AUTH	3. Form Tracking Number:				
	Transport Ganada			FO	RM ONE			SI223933
4. Organiza	itions Name and Address:							5.Work Order/Contract/Invoice
1560	ond Aircraft Industries I Crumlin Sideroad Ion, Ontario N5V1S2	nc.						CASE 00161242
6. Item:	7. Description:	12	8. Part Number:		9. Quantity:	10. Serial/Batch Number	er:	11. Status/Work:
1 2 3 4 5 6 7 8 9 10 11	Bushing, Flanged, Copper Shim, NG Leg Assy, DA40 NG Gasket, Exhaust Gasket Bolt Nut - Locking, Copper Plated Washer Ring Sealing Form C12x16x2.00 Gasket Nut, Hex, M10 with flange O-Ring, 46, 3.53MVQ70 Silicone	u nce PO# 5018 AOG	EGF25215-E40-B DIN988-25X36X0.1 E4A-04-000-003 E4A-04-000-806 ISO7044-M8-8-CU E4A-04-000-804 DIN7603-12X16X2.0 E4A-05-000-104 2142110 DIN3771-46.2X3.55		2 2 1 1 4 4 4 2 1 4	RC2400616 (2) RC1906658 (2) RC2401673 (1) RC2308458 (1) RC2308562 (4) RC2402406 (4) RC2308693 (4) RC2402405 (2) RC2401786 (1) RC2401786 (4) RC2401912 (1)		NEW
/ A	es that the items identified above were pproved design data and are in condition-approved design data specified in	ion for safe operation	ity to:	Certifies that un and described Canadian Avia	Other regulation of the state o	s been performed in comp	e work identified in Block 11 pliance with the	
13b. <del>Signa</del>	ture	13c Approval Organiza	tion Number /161-93	14b. Signature			14c. Approved Organization Number	
13d. Name	k Leenders	13e. Date (dd/mmm/yy 26/Mar/202		14d. Name			14e. Date (dd/mmm/yyyy):	
30 Dec 2	008(Previously form, 24-0078)							
			Insta	ller Respon	sibilities			-
Installers w specified.	cate does not constitute authority to insorking in accordance with the national in 13a or 14a do not constitute installation before the aircraft may be flown.	regulations of a country of						7168,

Approving Civil Aviation Authority/Country	2.	-				Form Tracking Number:
Transport Canada	Α	UTHORIZED RI	ELEASE C	ERTIFICATE		o. rem ridoning rambon.
		FO	RM ONE			SI223933
4. Organizations Name and Address:						5.Work Order/Contract/Invoice
Diamond Aircraft Industries Industries Industries Industries Crumlin Sideroad London, Ontario N5V1S2	<b>.</b> .					CASE 00161242
6. Item: 7. Description:	8. Part Number:		9. Quantity:	10. Serial/Batch Number:		11. Status/Work:
12 Clamp, Hose	TORRO_60-80_	12 W1	14	RC2401900 (14)		NEW
13 Clamp	TORRO_60-80_		2	RC2401900 (2)		NEW
14 Ring Sealing Form C12x16x2.0Cu	DIN7603-12X16	1.0 <del>100</del>	2	RC2402405 (2)		NEW
15 Gasket, 12x16	DIN7603-A12X1	6-AL	2	RC2401786 (2)		NEW
16 O-ring HPP	DIN3771_44X3_	ACM70	1	RC2301491 (1)		NEW
13a. Certifies that the items identified above were not approved design data and are in condition.  Non-approved design data specified in Bl	n for safe operation ock 12.	and described  Canadian Avia	Other regulation nless otherwise in Block 12, ha	Maintenance Release ons specified in block 12 specified in Block 12, the ws been performed in complians	ork identified in Block 11 ince with the	
13b. Signature	13c. Approval Organization Number /161-93	14b. Signature			14c. Approved Organization Number	
13d. Name	13e. Date (dd/mmm/yyyy):	14d. Name			14e. Date (dd/mmm/yyyy):	
Derreck Leenders	26/Mar/2024					
30 Dec 2008(Previously form 24-0078)						
	Ir	nstaller Respon	sibilities		7	
This certificate does not constitute authority to insta	II.					
Installers working in accordance with the national respecified.		rity specified in Block 1,	, must ensure th	at their regulations recogniz	e certifications from the country	
Statements 13a or 14a do not constitute installation	certification. In all cases, the aircraft techn	nical record must contai	n an installation	certification issued in accor	dance with the applicable national	

regulations before the aircraft may be flown.

N168 4/9/24

1. Approvin	g Civil Aviation Author,ty/Country	2.						
	Transport Canada	100,000	AUTI	HORIZED RE	LEASE C	ERTIFICATE		3. Form Tracking Number:
				FOF	RM ONE			SI224629
4. Organiza	tions Name and Address:							
1560	ond Aircraft Industries I Crumlin Sideroad on, Ontario N5V1S2	ic.						5.Work Order/Contract/Invoice  CASE 00163486
6. Item:	7. Description:		8. Part Number:		9. Quantity:	10. Serial/Batch Numb	per:	11. Status/Work;
1	Relay		70-903		3	RC2401639 (3)		NEW
12. Remarks: Customer Reference 5038 AOG  13a. Certifies that 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 12.  13b. Signature  13c. Approval Organization Number				Certifies that unle	Other regulations  ess otherwise Block 12, has	s been performed in com	e work identified in Plack 11	
13d. Name		13e. Date (dd/mmm/yyyy)	161-93	14d. Name				
Derreck	Leenders	15/Apr/2024		14d. Name			14e. Date (dd/mmm/yyyy):	
30 Dec 20	08(Previously form 24-0078)							
			Instal	ller Responsi	bilities			
This certifica	te does not constitute authority to insta	all.						
Installers wor specified.	king in accordance with the national re	egulations of a country othe	r than the authority spe	ecified in Block 1, mu	ust ensure tha	at their regulations recog	nize certifications from the country	
Statements 1 regulations b	3a or 14a do not constitute installation efore the aircraft may be flown.	n certification. In all cases,	he aircraft technical re	cord must contain a	n installation	certification issued in acc	cordance with the applicable national	

N168

1 4	C: 11 A									
	ing Civil Aviation ority/Country:	2.				3. Form Tracking Number:				
	INITED STATES	AU	THORIZED RE FAA Form 8130-3, AIRV			09.05.23.10.00.22				
4. Organiz	ation Name and Address	::	11211 01111 0130-5; AHV	VORTIMESSALLI	NOVAL TAG	5. Work Order/Contract/Invoice				
			echnologies, LLC			Number:				
		14900 40	Oth Ave. NE, Marysville, WA 9827	71 (PT2:	242NM)	DS: 332289				
6. Item:	7. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:				
1.	1. VOLTAGE REGULATOR, 28V VR2000-28-1		VR2000-28-1	1 Ea.	80Y72805	New				
12. Remar	ks:									
	This article is a	subcompone	ent of TSO-C56a; as a result the ID la	abel will state "Meets"	TSO-C56a Incomplete."					
13a. Certi	fies the items identified a	bove were m	anufactured in conformity to:	14a. 14 CFR 43.9	Return to Service Other re	gulation specified in Block 12				
⊠ An	proved design data and a	ra in conditi	on for sofo anarotic -			· 1988年 1980年 1				
□ No	n-approved design data s		• .	Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.						
13b. Autho	rized Signature		13c. Approval/Authorization No.: PT2242NM	14b. Authorized Signa	ature;	14c. Approval/Certificate No.:				
13d. Name	(Typed or Printed):	****	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or	Drinted).	14- P-4-(1)/				
	Chris Zacher		05/Sep/2023	14d. Name (Typen of	Timeu):	14e. Date (dd/mmm/yyyy):				
			User/Insta	ıller Responsibilit	ties					
It is importa	ant to understand that the	existence of the	nis document alone does not automatically	constitute authority to in	nstall the aircraft engine/propeller/article					
Where the use sessential Statements	user/installer performs wor that the user/installer ensu in Blocks 13a and 14a do	rk in accordant res that his/he not constitute	ace with the national regulations of an airver airworthiness authority accepts aircraft installation certification. In all cases, airc	worthiness authority diffe engine(s)/propeller(s)/art	erent than the airworthiness authority of t ticle(s) from the airworthiness authority of	the country specified in Block 1, it of the country specified in Block 1.				
regulations	by the user/installer before	the aircraft r	nov ha flavon			The same of the sa				

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005 N 168 10 (16/23