

 Transport
Canada
Aviation

Transports
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Aviation

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N109RE
TP3910E

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AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

Second Edition

January 1987

Canada

ENGINE LOG

1. Make Rotax
2. Model 912-F3
3. Specification _____
4. Manufacturer's Serial Number 4412.716
5. Date of Manufacture 1996
6. Aircraft Inspection Cycle _____

ENGINE SERVICE AND

MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>	REPAIRS, ADJUSTMENTS, MODIFICATIONS <small>ENTRIES DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD	→							
9-2-97	TACH	680.6			INSTALLED ENGINE IN KATANA S/N 10112 W/NEW SERVICED WITH CASTROL GTX 150 AND PRESTONE ANTI-FOAM. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED 1/16/01	MOUNT BUSHINGS, HOSES, MUFFLER ANTI-FOAM. A 100% INSPECTION WAS DETERMINED TO BE IN AIRWORTHY CONDITION		
	TSN	0						
10-13-97	Tach	732.6			Performed 50 Hr. oil change with 3 qts Castrol 20 W50.	Shimmed oil press relief valve. Serviced		
	Hobs	516.4						ROBERT HADFIELD 7313
	TSN	520						
11-7-97	Tach	780.5			Performed 100 Hr. Inspection IAW Katana Castrol 20 W50. Compression #1 105 Be In An Airworthy Condition.	Checked. Changed oil & filter. Serviced with 2 qts #2 125, #3 132, #4 150. Engine was found to		
	Hobs	819.6						ROBERT HADFIELD 7313
	TSN	99.7						
12-1-97	Tach	831.0			Performed 100 Hr. Inspection IAW Katana S/N 960175, Installed New fuel pump 5/16 Changed oil & filter, Serviced with 3 qts Castrol Changed Ignition modules with serviceable, CARRIED FORWARD	m/m. Complied with rotax 518 removed fuel pump 970213. Compression #1 120, #2 115, #3 150, #4 165 20 W50. Change spark plugs with new Synrad Carts Test run + flight good. Engine Airworthy at this time.		
	Hobs	925.7						ROBERT HADFIELD 7313
TOTAL THIS PAGE								
TOTAL FROM PREVIOUS SUMMARY								
TOTAL SINCE MFG.								

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

TACH → TTSN
-3736

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
1-27-98	TACH	000			Removed Engine from Katana 9N Vibrates badly Throttles range 1000 ENGINE RECEIVED AT RUTCH RESEARCH - NOTED - CARBURATORS CHANGED BALANCED ENGINE DISMANTLED AND INSPECTED FOR CRANKSHAFT MISURIC/DIAR RUN OUT AND AND TEST RAN CARBURATORS P/W 887 AND INSTALLED CARB P/W 887-261 SN AND INSTALLED CARB P/W 887-266 SN SN 972021 installed in "B" CIRCUIT.
APRIL 21/98	TTSN	1827		1827	
<p>STERLING Buchanan Field Airport LOGBOOK ENTRY Concord, CA. 94520 MAINTENANCE T: (925) 676-2100 Date: 5-29-98 F: (925) 676-5580</p> <p>Installed this engine in aircraft DA-20-A1 Reg # N183DA This date. Flushed all oil lines, oil tank, and oil cooler. Replaced oil with 31 qt of Valvoline Durablend. Replenished anti freeze with Penton mixed 50/50 with distilled water as recommended by Penton. Replaced the fuel Exhaust valves per 98710009100-2 to comply with 518 DA20-78-02. Ground run engine checked for leaks, none found. All engine opp normal.</p> <p>Signed: <i>[Signature]</i> Tach: 556.3 Joseph L. Bruno, A&P 2575450 W.O.# 22193 Reg.# N183DA Hobbs: 681.3 TTSN 1827</p> <p>5/29/98 TACH 556.3 TTSN 1827 adjustment 373.6</p>					
CARRIED FORWARD					
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
10112 N538FD, for repairs. Engine rpm up. Measured on Test Cell and RAN - VIBRATION WAS ENGINE RAN SATISFACTORILY - POSSIBLE OUT OF BALANCE CONDITION FOUND SATISFACTORY engine DISASSEMBLED 261 SN 950088 Reinstalled 954487 CARB P/W 887 266 SN 950089 Replaced 984685 New ignition module P/W 965-358 Carter		
The maintenance described above has been performed in accordance with the applicable standards of airworthiness.		
License # <i>M10626</i> 0101 182.7		
Signature <i>[Signature]</i>		
Date <i>5/29/98</i>		
<p>STERLING 101 John Glenn Drive, Hangar 2 Concord, CA. 94520-5615 Tel: (925) 676-2100 Fax: (925) 676-5580</p> <p>Engine</p> <p>Performed 200 hour inspection IAW Katana DA-20 Maintenance Manual. Changed oil using 3.0 qts. of Valvoline Dura-Blend 20W-50. Removed, cut open, and inspected oil filter for metal. None found. Replaced oil filter with new p/n 825-701. Removed, cleaned, gapped, tested and rotated spark plugs. Performed compression check #1: 78/80, #2: 76/80, #3: 77/80, #4: 78/80. Checked coolant level, checked fine. Cleaned air filter cartridge. Solvent washed engine. Ground run checked for leaks - none found.</p> <p>I certify that this engine has been inspected in accordance with 200 hour inspection and found to be in an airworthy condition for return to service.</p> <p>SIGNED: <i>[Signature]</i> TACH: 811.4, W.O.# 22196, REG.# N183DA, DATE: June 26, 1998 Joseph L. Bruno, A&P 2575450 TTSN 237.9</p>		
MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.		

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE
	HRS.	MIN.	HRS.	MIN.	
					INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS. USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

STERLING 101 John Glenn Drive, Hangar 2
Concord, CA. 94520-5515
Tel: (510) 676-2100 Fax: (510) 676-5580

Engine

Performed 200 hour inspection IAW Katana DA-20 Maintenance Manual. Changed oil using 3.0 qts. of Valvoline Dura-Blend 20W 50. Replaced oil filter with new Rotax pin 825-701. Performed compression check #1: 77/80, #2: 77/80, #3: 77/80, #4: 77/80. AD's checked. See work order 23033 for further details.

I certify that this engine has been inspected in accordance with 200 hour inspection and found to be in an airworthy condition for return to service.

SIGNED: Nick Remer DATE: 8-6-98 TSN 3079
Nick Remer, A&P 560607301
TACH: 581.5 HOBBS: 773.5
REG: N183DA WOP: 23033 REG# N183DA

STERLING 101 JOHN GLENN DRIVE, HANGAR 2
CONCORD, CA 94520
T: (925) 676-2100 F: (925) 676-5580

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED: Paul L Hill
Harlan L. Hill, IA1365602

TACH: 581.5 HOBBS: 773.5
REG: N183DA DATE: 8-6-98

STERLING 101 JOHN GLENN DRIVE, HANGAR 2
CONCORD, CA 94520
T: (925) 676-2100 F: (925) 676-5580

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED: Paul L Hill
Harlan L. Hill, IA1365602

TACH: 681.5 HOBBS: 773.5
REG: N183DA DATE: 8-6-98

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

CARRIED FORWARD

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS. ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

STERLING Buchanan Field Airport LOGBOOK ENTRY
Concord, CA. 94520 MAINTENANCE
(925) 676-2100 Date: 7-2-98

Performed 50hr inspection IAW Katana DA-20 Maintenance Manual. Changed oil using 3.0 qts. of Valvoline Dura-Blend 20W 50. Replaced oil filter with new Rotax pin 825-701. Performed compression check #1: 77/80, #2: 77/80, #3: 77/80, #4: 77/80. AD's checked. See work order 23033 for further details.

Signed: Joseph L Bruno Tach: 786.1 TSN 372.5
Joseph L Bruno, A&P 560607301
W.O.# 23033 Reg.# N183DA Hobbs:

STERLING Buchanan Field Airport LOGBOOK ENTRY
Concord, CA. 94520 MAINTENANCE
(925) 676-2100 Date: 8-2-98
F: (925) 676-5580

Performed 200 hour inspection IAW Katana DA-20 Maintenance Manual. Changed oil using 3.0 qts. of Valvoline Dura-Blend 20W 50. Replaced oil filter with new Rotax pin 825-701. Performed compression check #1: 77/80, #2: 77/80, #3: 77/80, #4: 77/80. AD's checked. See work order 23033 for further details.

Signed: Nick Remer Tach: 788.5
Nick Remer, A&P 560607301
W.O.# 23033 Reg.# N183DA Hobbs:

STERLING Buchanan Field Airport LOGBOOK ENTRY
Concord, CA. 94520 MAINTENANCE
(925) 676-2100 Date: 10-30-98
F: (925) 676-5580

CHECK INSURANCE & CARGO
ARRANGE
CLEAN GAP & TEST
SPARE PLUGS

Signed: Nick Remer Tach: 0770
Nick Remer, A&P 560607301
W.O.# 23033 Reg.# N183DA Hobbs:

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. ORAN A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→				

STERLING
101 JOHN GLENN DRIVE
HANGAR 2
CONCORD CA 94520 5615
T: 925-676-2100 F: 925-676-5580

Replaced Spark plugs pin 97042 with new. Replaced O-Ring on Pilot seat cooling tube pin 950-180. Replaced spark plug foot #1 cylinder. Ground was checked for proper operation. Operation check okay for more details see W/O 28428.

Michael Bruno Date 1-8-99 NR 183DA
Michael Bruno, A&P 258571

Tach 0.00 TSN TSMOH W/O# 28428

STERLING
101 JOHN GLENN DRIVE
HANGAR 2
CONCORD CA 94520 5615
T: 925-676-2100 F: 925-676-5580

Replaced electronic module with CTS electronic module pin 965-388. Ground was and checked for proper operation. Operation check okay.

Michael Bruno Date 6-18-99 NR 183DA
Michael Bruno, A&P 258571

Tach 110.7 TSN TSMOH W/O# 28517

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

STERLING
101 JOHN GLENN DRIVE
HANGAR 2
CONCORD CA 94520 5615
T: 925-676-2100 F: 925-676-5580

*INSTALLED 3 qts Valvoline MV-40
INSTALLED OIL FILTER PN 525-701
COMPRESSIONS: (1) 76 (2) 78 (3) 76 (4) 78 / 8.
CUT 2 PINS OIL FILTER
CLEAN AIR FILTER, FUEL SCREEN
A D * (CHECK) * ADJUST AWG*

For Further details, see w/o# 28534

Nick Romer Date 7-7-99 NR 183DA
Nick Romer, A&P 568607581

Tach 144.5 TSN 600.6 TSMOH

STERLING
101 JOHN GLENN DRIVE, HANGAR 2
CONCORD, CA 94520-5615
T: (925) 676-2100 F: (925) 676-5580

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED LAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED [Signature] DATE 7/8/99
HARLAN L. BRUNO, A&P 25754501A
TTIS 600.6 TSMOH REG # N 183DA

Installed two new exhaust studs on #4 cylinder.

Michael Bruno Date 6-28-99 NR 183DA
Michael Bruno, A&P 258571

Tach 149.5 TSN 600.6 TSMOH W/O# 28517

CARRIED FORWARD

MAINTENANCE RECORD

DATE	TIME RUN	TIME SINCE OVERHAUL	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. ORAN A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

STERLING
101 JOHN GLENN DRIVE
HANGAR 2
CONCORD CA 94520 5615
T: 925-676-2100 F: 925-676-5580

Replaced Electronic Module and Prop with CTS reusable parts. PROP LOG WILL REFLECT MODEL AND SERIAL NUMBER.

For Further details, see w/o# 28560

Michael Bruno Date 8-5-99 NR 716LG
Michael Bruno, A&P 258571

Tach 521.0 TSN TSMOH

STERLING
101 JOHN GLENN DRIVE
HANGAR 2
CONCORD CA 94520 5615
T: 925-676-2100 F: 925-676-5580

*Reformed 1000 hr. inspection. FAV
Katoe snow-trimmer manuals. Replaced
oil filter with new. Changed oil using
3 qts of new Valvoline MV-40 oil. Replaced
spark plugs with new. Replaced inlet and
filter with new. Replaced compression
check 4 76/80, #2 78/80, #3 76/80, #4 78/80.
select and/or engine ground was checked for leaks.*

For Further details, see w/o# 28596

Michael Bruno Date 9-17-99 NR 183DA
Michael Bruno, A&P 258571

Tach 222.1 TSN 284.0 TSMOH 603.0

STERLING
101 JOHN GLENN DRIVE, HANGAR 2
CONCORD, CA 94520-5615
T: (925) 676-2100 F: (925) 676-5580

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED LAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED [Signature] DATE 175 sep 99
HARLAN L. HILL, IA1365602 TSMO 663
TT 212.1 W/O# 1343 REG # N 183 DA

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE
	HRS.	MIN.	HRS.	MIN.	
11/14/01	TACH	252.7			REINSTALLED OVERHAUL COM BOX AIRWST W/O # 7734 703.5
12/29/01	TACH	276.4			CHANGED OIL + OIL FILTER 2.5 QTS VARIUM DURABOND 5W-30
01/11/02	TACH	302.3	753.	4	CHANGED OIL + FILTER 2.5 QTS. VARIUM DURABOND 10W-40
2/05/02	TACH	329.6	780.	7	CHANGED OIL + FILTER 2.5 QTS VAV. DUR. BOND 10W-40.
3/12/02	TACH	354.5	805.	6	CHANGED OIL + FILTER 2.75 QTS VAV. DUR. BOND 10W-40.
3/25/02	TACH	362.6	813.	7 TSN	REMOVED PROPELLER, REPLACED AUTOMATIC BELT 1020385205.
5/06/02	TACH	385.3	834.	7 TSN	CHANGED OIL + FILTER 2.75 QTS VARIUM DURABOND 10W-40.
6/13/02	TACH	411.9			CHANGED OIL + FILTER 2.75 QTS VARIUM DURABOND 10W-40
9/14/02	TACH	423.1			CHANGED OIL + FILTER 3 QTS VARIUM DURABOND 10W-40 AND FOUND TO BE IN AN AIRWORTHY CONDITION NO. 2002-16-26 INSPECTION OF CRANKCASE. NO CRACKS FOUND A.D. RECORDING 100 HRS DUE. 523.1 HRS. NO OTHER APPARATUS A.D.'S THEN ISSUE 2002-15.

CROWN AIR
 FAA Approved Repair Station #CWNR273K
 3753 John J. Montgomery Dr.
 San Diego, CA 92123

Reg # N183DA Model: DA20-A1 S/N: 10183
 Date: October 25, 2002 Time: 451.4 TSN: 402.5

Changed oil and replaced filter serviced system with 3 liters of Chevron Delo 15W40. AD 2002-19-09 is N/A by pump part number or engine serial number.

The aircraft identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order # LT-02-01681.

[Signature]
 Authorized Representative

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

CARRIED FORWARD

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS	SIGNATURE	LICENCE NUMBER
5757. INSTALLED NEW PROP SER. NO. H663A. COMPLETED 100HR/ANNUAL		
ALL CYLINDERS. NEW SPARK PLUGS. CHANGED OIL + OIL FILTER.	<i>[Signature]</i>	MANSBERGER AIRCRAFT FAA CRS L1MR829N 2227A BELLANCA ST. MINDEN, NV 89423
WAS INSPECTED EAW. CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.	<i>[Signature]</i>	
CHANGED OIL + OIL FILTER 2.5 QTS VARIUM DURABOND 5W-30	<i>[Signature]</i>	
CHANGED OIL + FILTER 2.5 QTS. VARIUM DURABOND 10W-40	<i>[Signature]</i>	
CHANGED OIL + FILTER 2.5 QTS VAV. DUR. BOND 10W-40.	<i>[Signature]</i>	
CHANGED OIL + FILTER 2.75 QTS VAV. DUR. BOND 10W-40.	<i>[Signature]</i>	
REMOVED PROPELLER, REPLACED AUTOMATIC BELT 1020385205.	<i>[Signature]</i>	
CHANGED OIL + FILTER 2.75 QTS VARIUM DURABOND 10W-40.	<i>[Signature]</i>	
CHANGED OIL + FILTER 2.75 QTS VARIUM DURABOND 10W-40	<i>[Signature]</i>	
CHANGED OIL + FILTER 3 QTS VARIUM DURABOND 10W-40 AND FOUND TO BE IN AN AIRWORTHY CONDITION NO. 2002-16-26 INSPECTION OF CRANKCASE. NO CRACKS FOUND A.D. RECORDING 100 HRS DUE. 523.1 HRS. NO OTHER APPARATUS A.D.'S THEN ISSUE 2002-15.	<i>[Signature]</i>	MANSBERGER AIRCRAFT FAA CRS L1MR829N 2227A BELLANCA ST. MINDEN, NV 89423

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
9 MAR 2003	750	6	554	959.7	changed oil and flushed radiator - 3L of radiator flushed with prestone 50/50	10-30W automotive motor oil and filter changed IAW SE-912-46 R1	[Signature]	2710 659294 001
17 MAY 2003	157	6		977.1	changed oil & 10-30W automotive oil 3L and filter	IAW SE-912-010 R1	[Signature]	2710 659294 001
25 Jun 2003	55	6		1007.7	changed oil and filter & 10-30W automotive	oil 3L and oil filter IAW SE-912-010 R1	[Signature]	2710 659294 001
14 Aug 2003	57	6		1025.7	① changed oil and filtered & 10-40W auto ② switched out oil dip stick to new dip ③ changed ② main tire hold & new good	oil 3L and oil filter IAW SE-912-010 R1 stick per IAW SB # 912-040 year 600-5 tire 380-150-5 L IAW serv manual	[Signature]	2710 659294 001
4 Sep 2003	60	6		1051.7	① changed oil & filter & 10-40 auto oil 3L	IAW SE-912-010 R1	[Signature]	2710 659294 001
11/01/2003	TACH 629.5 HRS 1639.0				COMPLETED 100 HR ANNUAL INSPECTION. CHANGED OIL AND FILTER. CHECKED PLUGS, COMPRESSION 1/2, 2/3, 3/4, 4/1, 1/80 REPLACED OIL LINES PER SB DA 20-7 POSITION KIT SWIRL RPM DEMAND. C/W A.D. 2002-21-16 VENTING OF OIL SYSTEM AND INSPECTION OF HYDRAULIC TAPPETS. REINSPECTED PER A.D. 2002-16-26 FOR OIL LINES AND OIL LINES AND INSPECTED PER 2002-19-09 FOR FUEL LEAKS 40'S AIR TUAL ISSUE 2003-21. NEW SPARK PLUGS I CERTIFY THIS ENGINE HAS BEEN INSPECTED FOR WEIGHT	INSPECTED THRU DATE 2003-01-01. OIL FILTER INSPECTED NO CONTAMINANTS. FRAUDULETIONS AND IS APPROVED FOR RETURN TO SERVICE.	[Signature]	MANSBERGER AIRCRAFT FAA CRS LTR 823N 307A BELLANCA ST MINDEN, NV 89423
03-09-05	0 hrs Tach # 962.3 Hrs 1995.7				S.M.O.H. Engine case has 1029 hrs T.T. Portur med complete overhaul I.A.W. Rotax service manual. New parts include all seals, gaskets & o-rings, fuel pump & fuel hose, oil pump rotors, filters water hose, pistons & piston rings, crank shaft assembly, crankshaft bearings, governor parts (see attached invoice & yellow tag). Replaced all 4 cylinder heads with low time units, hardness test performed, ground valves & valve seats, reglued pushrod tubes & water fittings. I certify that this engine meets current FAA regulations & is approved for return to service. William J. [Signature]		A3P594980829	
5-1-05	TACH 962.3				Engine Installed on N183 DA SN 10183 JAW Rotax & Diamond manuals Removed Cyl Hold down nut and installed correctly and Retorqued. Replaced upper water coolant fittings on #1 & #3 Cyls. Replaced coolant fitting on #2 Cyl lower. Installed copper gaskets under Coolant Pump screws. Installed new throttle cable brackets. Installed new switches on throttle & choke cables & new sleeve on left throttle cable. Installed 8 new springs on exhaust sys. Complied w AD 05-01-14 Venting of tube sys. Complied w AD 02-19-08 Venting of fuel sys. Complied with AD 02-16-26 Crankcase cracks ADs found Applicable. Engine Run up leak check carbs synchronized			
TOTAL THIS PAGE TOTAL FROM PREVIOUS SUMMARY TOTAL SINCE MFG.					RPM TEMPS Pass norm Ign Check ok Eng Ready for Test flight & return to Service I certify this engine has been inspected IAW AIRMAN INSPECTION AND IS IN AIRWORTHY condition 750.00 W/ Lester M. [Signature] A4P330904703			

ENGINE SERVICE AND

MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
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21 Jun 05 1495.1 95.7					
21 Jul 05			2040.9		changed oil & filter IAW SE-912-010-F1 - 3 quarts of Valvoline motorcycle 4 stroke oil - oil filter replaced
21 Sept 2005	TACH	TSMH	HOBBS		removed and replaced (R) Electronic Ignition module P/N 965 358 Ran for 30 min Engine Conditioning Run up, all parameters good.
	1000	93.7	2075.6		

A/C Model Diamond DA20-41
S/N 10183
REG. NO. N183DA
ENG. MFG Rotax
ENG. MOD 912-F3
ENG. S/N 4412716

Gibbs Service Center
Montgomery Field, San Diego, CA 92123
FAA Approved Repair Station # VT3R931L

Date 08/04/06
W.O. # 19161
Tach 49.3
Hobbs
AirFrame 2136

T.E.T. — SMOH —

The aircraft and / or component identified above was repaired / replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Details of the repair / replacement are on file at this agency under Work Order number 19161

Date 08/04/06 Signature *Jeff Runyon*
Engine total time since overhaul 133.0 hours. Installed new ignition coil for number 1 and 2 cylinder lower spark plugs. Cleaned and gapped spark plugs. Changed engine coolant. Next coolant change due 2 years or 1000 hours. Changed oil and filter. Filled with Valvoline 4 stroke motorcycle oil SAE-20W-50. Cleaned and serviced engine air filter. Installed new placards on oil cap, coolant dispchter vessel, and coolant recovery bottle. All Maintenance done in accordance with Rotax 912 manual. See Airframe logbook for Annual Inspection this date. AD's checked through 2006-15

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

CARRIED FORWARD

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	HRS.	MIN.	HRS.	MIN.			

965 358
SMD-Electronic Module
B # 04036

S/N: 04.02222

10 MAR 2007 TACH 105.1 / HOBBS 2196.4 / TSMH 188.8
oil changed and filter replaced IAW SE-912-010-F1
3 quarter volume Detachment 10/40W AGJ 290689244

A/C Model Diamond DA-20-A1
S/N 10183
REQ. NO. N183DA
Eng. Mfg Rotax
Eng. Mod 912F3
Eng. S/N 4412716

Gibbs Service Center
Montgomery Field, San Diego, CA 92123
FAA Approved Repair Station # VT3R931L

Date 10/01/07
W.O. # 13221
Tach 139.8
Hobbs
AirFrame 2228

T.E.T. — SMOH 223

The aircraft and / or component identified above was repaired / replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Details of the repair / replacement are on file at this agency under Work Order number 13221

Date 10/01/07 Signature *Jeff Runyon*
Annual inspection completed this date. Drained oil, replaced oil filter. Serviced engine with Castrol 20W-50 OIL. Replaced oil cooler mount grommets. Replaced alt belt. Replaced exhaust muffler springs. Retorqued #4 exh flange nuts. Cleaned and serviced intake air filter. Checked reduction gearbox friction. Found to be within limits. Compression as follows: #1 140, #2 150, #3 140, #4 150. Complied with AD2002-16-26, engine case inspection. No cracks. Next due @ 239.0 Hrs. AD's checked through 2007-17.

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
					21 Nov 2008 Tach 172.0 // H008 22712 // TSOH 265.7 Oil changed Filter replaced IAW S1-912-010-R1 and S1-912-016-R1. Added 3 liters of Castrol Motow 20W-40 4 stroke motorcycle oil. <i>Jeff Runyon</i> 3316223

A/C Model	Diamond DA20-A1	GIBBS SERVICE CENTER	Date	14-Nov-08
Serial No.	10183	Montgomery Field, San Diego, CA 92123	W/O #	13587
Reg No.	N183DA	FAA Approved Repair Station #VT3R931L		
Eng Mod	Rotax	Eng S/N	4412.716	Eng S/N
SMOH	258.2	LIH Engine	RH Engine	Tach
				175.5
				Airframe
				2046.2

Annual inspection completed IAW DA20-A1 AMM document. Engine oil not serviced. Replaced engine oil filter. Inspected old filter. Cleaned and serviced air filter. Replaced all spark plugs. Replaced RH fwd coolant hose. Replaced antifreeze. Replaced missing exhaust springs. Compression, all cylinders 135 PSI. Cleaned engine, runups OK. Ads current through 11-14-08. C/W AD 2002-16-26 C2, engine case inspection, no defects noted, next due @ Tach 275 or Date 11-09.

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 13587.

Date: 14-Nov-08 Signed: *Jeff Runyon* ^{INSP}

ACFT Model	Diamond DA-20-A1	GIBBS SERVICE CENTER	Date	1-9-2010
Serial No.	10183	Montgomery Field, San Diego, CA 92123	W/O No.	13972
Reg No.	N183DA	FAA Approved Repair Station #VT3R931L	TET:	N/A
Eng Mfg.	Rotax	Eng Model	912F3	Eng S/N
SMOH	281.8	Tach	199.1	Airframe
				2069.8

Annual inspection completed per DA-20 AMM. Drained oil, inspected and replaced oil filter. Serviced engine with Valvoline 20W-40 motorcycle oil. Cleaned and serviced air filter. Replaced all exhaust springs. Set all belt tension. C/W AD2002-16-26 C2, engine case inspection- no oil leaks or cracks noted. Next due @ 1-2011, or 299.1. AD notes checked and are current 1-9-2010.

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 13972.

Date: 1-9-2010 Signed: *Jeff Runyon* ^{INSP}

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS				SIGNATURE	LICENCE NUMBER
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.					
ACFT Model	Diamond DA 20-A1	GIBBS SERVICE CENTER	Date	2-10-2011	
Serial No.	10183	Montgomery Field, San Diego, CA 92123	W/O No.	14357	
Reg No.	N183DA	FAA Approved Repair Station #VT3R931L	TET:	N/A	
Eng Mfg.	Rotax	Eng Model	912F3	Eng S/N	4412.716
SMOH	292.5	Hobbs	2317.4	Airframe	2080.5

Annual inspection completed per the DA20-A1 AMM. Drained oil, inspected and replaced oil filter. Serviced engine 3lrs A/S Sport Plus 4 10W-40 engine oil. Replaced engine coolant. Replaced 4 exhaust muffler springs. Repaired carb choke system. Functional check OK. Engine runup OK, no leaks. C/W AD2010-20-23, engine case inspection per Rotax SB-912-029 R3. No oil leaks or cracks noted. Next due at 2-2012, or 308.9. AD notes checked and are current 2-10-2011.

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 14357.

Date: 2-10-2011 Signed: *Jeff Runyon* ^{INSP}

ACFT Model	Diamond DA20-A1	GIBBS SERVICE CENTER	Date	1-10-2012
Serial No.	10183	Montgomery Field, San Diego, CA 92123	W/O No.	14799
Reg No.	N183DA	FAA Approved Repair Station #VT3R931L	TET:	N/A
Eng Mfg.	Rotax	Eng Model	912F3	Eng S/N
SMOH	309.7	Hobbs	2334.6	Airframe
				2097.7

Removed R/ carburetor, adjusted float arm tang clearances. Reassembled carburetor, reinstalled on engine. Corrected several coolant leaks, serviced coolant reservoir. Engine runup OK, no leaks. Work completed per the Rotax 912 engine maintenance manual.

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 14799.

Date: 1-10-2012 Signed: *Jeff Runyon* ^{INSP}

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

ACFT Model:	Diamond DA20-A1	GIBBS SERVICE CENTER	Date:	7-13-2012	
Serial No.	10183	Montgomery Field, San Diego, CA 92123	W/O No.	14890	
Reg. No.	N183DA	FAA Approved Repair Station VT3R831L	TET:	N/A	
Eng. Mfg.	Rotax	Eng. Model:	912F3	Eng. S/N:	4412.716
SMOH:	308.2	Tach:	225.5	Airframe:	2096.2

Annual inspection completed per the DA20-A1 AMM. Drained oil, inspected and replaced oil filter. Serviced engine 3lbs A/S Sport Plus 4 10W-40 engine oil. Adjusted alternator belt tension. Pressure checked exhaust system. Checked L/ carburetor float arm pin engagement- checked OK. Replaced (5) exhaust springs. Replaced engine coolant hoses. Serviced cooling system with Evans NGP+ coolant. Replaced all flexible fuel lines. Replaced all sparkplugs. Engine runup OK, no leaks. CW AD2010-20-03 Rotax engine case by visual inspections per SB 912-029, rev 3. Next due 325.5. CW AD2010-23-17 Rotax engine case by visual inspections per SB 912-029, rev 3. Next due 325.5 or 7-2013. AD notes checked and are current 7-13-2012.

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 14890.

Date: 7-13-2012

Signed

RUNYON

INSR

10/12/13	A/C T/J	2117.6
	ENG S/N	4412.716
	ENG TSO	323.3
	TACH	240.6

CW Annual inspection IAW DA20-A1 Amm. Drained oil, inspected and installed new oil filter per 912-012 and added 3lbs of A/S sport plus 4 10W-40 eng. oil. Adjusted alt. belt tension. Serviced cooling system with EVANS NGP+ coolant. Pressure checked exhaust syst. Cleaned spark plugs and reinstalled new heat sh. paste. Performed engine run up + ops checked good. CW AD2010-23-17 (Rotax eng. case by visual inspection) per SB 912-029 Rev 3, next due 423.3. CW AD2010-20-03 (Rotax eng. case by visual inspection) per SB 912-029 Rev 3, next due 423.3 or 10/14. All ADS checked and current 10/12/13. AD 2012-15-01 N/A by Eng. model. AD 2012-16-13 N/A by fuel pump sh. installed. 2013-07-02 (Super-charge) by AD 2012-15-19 (N/A by Eng. sh.). AD 2013-17-04 (N/A by Eng. model) checked.

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TOTAL SINCE MFG.		

I certify this engine has been inspected and/or repaired in accordance with current FAA regulations and found airworthy for return to service. All FAA Technical Publications are current. Date: 10/12/13. Repair G. Esparza (A/PJA 3607019) FND

5-1-2014
CW Annual inspection IAW Rotax maint manual and DA20A1 Amm. Compression #1 79/80 #2 79/80 #3 78/80 #4 79/80. Drained and changed oil + Filter Rotax Filter P/N 825012 oil using Rotax 2040w 2-part oil. Checked mag plug. G115 Friction found within limits. Cleaned eng compartment. CW AD 2010-23-17 (Rotax case by visual insp. per SB 912-029 Rev 3, next due @ A/C Tach time 343.6 or 1 yr. AD 2010-20-03 visual insp of crankcase CW next due @ A/C Tach time 343.6 or 1 yr. All ADS checked to 10/16/15.

Aircraft Tach:	243.6
Hours Time:	2326.5
A/C T/J:	2117.6
10/16/2015	
SMOH:	326.3

I certify this engine has been inspected/repaired IAW current FAA Regulations and found Airworthy in regards to work performed. Engine found Airworthy and returned to service.

Repair Esparza A/PJA 3607019 10/16/2015

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD

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DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER				
	HRS.	MIN.	HRS.	MIN.								
Aircraft Hobbs A/C-T. TSMOH: 2/1/2017	tach:	2436			<p>Complied with Annual inspection JAW Rotax 912 FS. And DAFOA maintenance records. Clw AD 2010-20-03/2010-23-17 Rotax crankcase visual inspections JAW mfgs 912-09 R53, no abnormalities found. AD# checked and AOC current to 2/1/2017. Oil both carburetors using Rotax kits. P/N from CFC Power systems 13945 (jetor box carb oil kits). Clw mandatory Periodic checking of floats. P/N S/B 912-065-73, and 912-065-71 exchange of floats. P/N both floats and installed 2 pair of floats (AOC) P/N 86184 and gaskets P/N 830728. + ops checked good. Clw mandatory of S/B 912-033, removed old pump P/N 02-1388-996-597 s/n unknown and installed new fuel pump P/N 893115 s/n 15/1585 and new gasket P/N 93026. CFS checked good. Synchronized both carbs from idle to full rpm. Drained oil and installed new Rotax oil filter P/N 825-012 and serviced with new oil. Rotax approved. Shell oil sport plus. GIBCO friction checked within limits. Clw Compression test #1 79/80 #2 79/80 #3 79/80 #4 79/80. Set All belt tension, cleaned engine compartment. Replaced 2 air filters on exhaust shield. Rebalanced prop using dyna-vibe to 4.03 ips. # Directly this engine has been inspected/ repaired JAW current FAA Regulations and found to be in Airworthy Condition in regards to work performed and is returned to service (A) [Signature] ATPA 5603215 2/1/17</p>	<p>next page</p>						
	time:	2356.5										
		2117.6										
		326.3										
CARRIED FORWARD												
TOTAL THIS PAGE					MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.							
TOTAL FROM PREVIOUS SUMMARY												
TOTAL SINCE MFG.												

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
					(oil) Aeroshell sport 4 (coolant) Evans
Engine: Rotax 912 F3 / N 4412.718 T30-3347 Tach: 251.8 Hobbs: 2366.6 Aircraft Reg. No. N1099E S/N 10183					
1)					Complied with a 25/50/100/200-hour annual inspection and five (5) year hose change IAW Rotax Maintenance/Heavy Technical Manual Chapter 05-20-00 Diamond DA20A1, and CFR 14.43 Appendix D.
2)					The following maintenance operations were completed with: 1) Compression test results were obtained #1 79/80, #2 79/80, #3 79/80, #4 79/80 IAW Rotax 12-20-00 p.15 2) Drained engine oil, removed oil filter F/N 825012, cut opened and inspected for blowlines and 3) Installed new oil filter F/N 825012, new crush washer F/N 250-010 IAW Rotax Ch. 12-20-00 p. 11-32 4) Removed oil tank, cleaned inside the canister, replaced 70 ring F/N 850-491, reassembled, installed IAW 12-20-00 section 11.5 5) Checked friction torque of CG overhaul torque, results were 2.6 inch lbs. IAW 12-20-00, section 14.1 6) Both Carbs F/N Bing 64 were removed and overhauled using Kit F/N 999-525. Both floats weighed 6.2 grams, same Carbs reinstalled with new Carb sockets P/N 247-789 (2 ea). Two new carb ducts were also installed P/N 20-7500-01(L/H) and -02(R/H) with new clamp P/N 883-095 and hardware. 7) Re-installed same intake manifolds with new seals (4) F/N 230-910, new Bolts (2) F/N 240-531, (2) 840-861 and new Plenum hoses (2) P/N 956-541 IAW Rotax hobby manual 73-00-00 8) Complied with 5-year water coolant hose replacement P/Ns as follow: New Conti 17 new F/N 922-230 for upper and lower cylinder heads, New 90 degree hose F/N 15-02869 Reservoir To #3 Cylinder, Tygon hose for drain F/N 01202-230-910, Installed new water inlet to landing O ring (4) P/N 950-030, P/N 43019 (Ehose 2 ea) F/N 20-7200-03-02, 20-7200-03-01, L/H water system Aluminum line F/N 20-7200-00-01, Hose F/N 20-7200-01 IAW Rotax Maintenance and Heavy Maintenance Manual. 9) Replaced 5 year oil lines with new 12 mm hose P/N 15-03535 10) Installed new Alternator belt F/N 980-400, new hardware IAW DA20A1 AMM 24-30-00 11) Removed old electric mounts P/N TCU-9071-26-01 and installed new engine mounts, same F/N, with all new bolts and nuts IAW DA20A1 AMM 71-20-00 12) Installed new Prop. Gov. gasket F/N 931-372 and installed Gov. IAW ROTAX MM 72-00-00, 5/B 912-052 13) Removed eight spark plugs F/N NGK DCPRE and installed eight (8) new spark plugs, same P/N, gapped to 0.025, using heat conduction compound IAW DA20A1 AMM 12-30-00 Installed all new Ignition (Spark Plug) wires F/N 865-710, Ignition protection hose P/N 880-990, new Spark plug Suppressor connectors, (8) P/N 265-248 Installed new carb heat knob assembly P/N 20-7600-03-10 Installed new Mixture control cable assemblies P/N 20-7600-03-07 Installed new Rocker Arm valve cover gaskets (10 rings (8) P/N 881-920, and four new Screws, M6X30 P/N 840-887 Reinstalled starter using new O rings P/N 850-500, 520-140, and two new bolts P/N 440-586 Installed new style G/B magnetic plug F/N 241-783 Installed the following new Water hoses for [5] five year change F/N 93019 (Ehose 2 ea) F/N 20-7200-03-02, 20-7200-03-01, L/H water system Aluminum line F/N 20-7200-00-01, Hose P/N 20-7200-03 Installed all new exhaust studs (8) P/N 940-368, new nuts (8) P/N 842-950 Replaced all Scat hose with new P/N CAT-11 Reinstalled exhaust system after inspection and polishing of exchange with new springs F/N 68MM 938-795 Re-installed same intake manifolds with new seals (4) F/N 230-910, new Bolts (2) F/N 240-531, (2) 840-861 and new Plenum hoses (2) P/N 956-541 Purged O2 system IAW Rotax Service instruction letter SI 912-018 Synchronization of both mechanical and pneumatic was accomplished IAW Rotax 05-20-00 page 15 Engine runs from idle to 3000 RPM. [4 ea] 1" 32 Cleaned and serviced Air filter IAW Rotax 12-20-00 Page 5/6 Engine run and leak checked, no leaks noted, serviced fluids to proper levels. Service instruction letter 912-018 was completed with purging oil system. Complied with Oil sample from ADA, Phoenix AZ. Replenished fluids as needed.
that this Engine has been inspected for a 25/50/100/200-hour annual inspection and five (5) year Hose change in accordance with the scope and detail of the Diamond / ROTAX Manufacturer's Maintenance and Inspection Procedures Manual, Appendix D to FAA Part 43, and found to be in airworthy condition in regards to work performed.					
[Signature] AWP LA 3407219 Date 06/06/2019 AIRWORTHY T.T. 2127.7					
CARRIED FORWARD					
TOTAL THIS PAGE TOTAL FROM PREVIOUS SUMMARY TOTAL SINCE MFG.					

MAINTENANCE RECORD

11

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
REG: N143AA DATE: 10/5/2020 TACH: 68.3 ACTT: 2224.7 SMOH: 431.7 Engine annual inspection completed this time and date. Checked all applicable AD's through this date AD2018-03-05 N/A by model. AD2019-10-04 NA by SN. CW AD2010-20-23 no defects noted next due ACTT 2324.7 or 10/2021 Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. Old filter cut open no metal found R&R all 8 spark plugs p/n DCPRE with new. Compression checks 1) 76/80 2) 66/80 3) 73/80 4) 68/80. LH floats 6.1g, RH floats 6.0g G/B friction torque within limits. Ground run leak checked sat. I certify this engine has been inspected IAW an annual inspection and is an airworthy condition at this time. [Signature] Stephen Jaskowski AP30086211A		
REG: N143AA DATE: 4/14/2021 TACH: 167.5 ACTT: 2323.9 SMOH: 530.9 Engine 100hr inspection completed this time and date IAW FAR 43 APPX D. Checked all applicable AD's through this date. CW AD2010-20-23 no defects noted next due ACTT 2423.9 or 4/2022. Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. Old filter cut open no metal found. R&R all 8 spark plugs p/n DCPRE with new. Compression checks 1) 60/80 2) 65/80 3) 72/80 4) 74/80. LH floats 6.0g, RH floats 6.2g G/B friction torque within limits. R&R ignition module p/n 955446 Ground run leak checked sat. I certify this engine has been inspected IAW an 100hr inspection and is an airworthy condition at this time. [Signature] Ryan Dougherty AP3699307		
REG: N143AA DATE: 7/21/2021 TACH: 263.1 ACTT: 2419.5 SMOH: 626.5 Engine 100hr inspection completed this time and date IAW FAR 43 APPX D. Checked all applicable AD's through this date. CW AD2010-20-23 no defects noted next due ACTT 2519.5 or 7/2022 Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. Old filter cut open no metal found. R&R all 8 spark plugs p/n DCPRE with new. Compression checks 1) 68/80 2) 62/80 3) 62/80 4) 74/80. LH floats 6.1g, RH floats 6.2g G/B friction torque within limits. R&R ignition module p/n 955446 Ground run leak checked sat. I certify this engine has been inspected IAW an 100hr inspection and is an airworthy condition at this time. [Signature] Ryan Dougherty AP3699307		
MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.		

ENGINE SERVICE AND

MAINTENANCE RECORD

REG. N143AA DATE: 11/4/2021 TACH: 362.6 ACTT: 2519.0 SMOH: 726.0

Engine annual inspection completed this time and date. Checked all applicable CW AD2010-20-23 no defects noted next due ACTT 2619.0 or 11/2021. Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. Old filter cut open no metal found. R&R all 8 spark plugs p/n DCPRTE with new Rotax p/n 297656. Compression checks 1) 65/80 2) 67/80 3) 70/80 4) 67/80. LH floats 6.3g, RH floats 6.1g. G/B friction torque within limits. Ground run leak checked sat. I certify this engine has been inspected IAW an annual inspection and is approved for return to service.

Stephen Jackowski
AP300662116

REG. N143AA DATE: 2/15/2022 TACH: 462.1 ACTT: 2618.5 SMOH: 825.5

Engine 100hr inspection completed this time and date. Checked all applicable ADs, CW AD2010-20-23 no defects noted next due ACTT 2718.5 or 2/15/22. Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. Old filter cut open no metal found. R&R all 8 spark plugs p/n DCPRBE. Compression checks 1) 72/80 2) 73/80 3) 71/80 4) 76/80. LH floats 6.4g, RH floats 6.2g. G/B friction torque within limits. Ground run leak checked sat. I certify this engine has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty
AP3699307

REG. N143AA DATE: 4/9/2022 TACH: 561.8 ACTT: 2718.2 SMOH: 925.2

Engine 100hr inspection completed this time and date. Checked all applicable ADs, CW AD2010-20-23 no defects noted next due ACTT 2818.2 or 4/2023. Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. Old filter cut open no metal found. R&R all 8 spark plugs p/n DCPRBE. Compression checks 1) 67/80 2) 70/80 3) 70/80 4) 76/80. LH floats 6.3g, RH floats 6.2g. G/B friction torque within limits. Ground run leak checked sat. I certify this engine has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty
AP3699307

REG. N143AA DATE: 6/13/2022 TACH: 661.8 ACTT: 2818.2 SMOH: 1025.2

Engine 100hr inspection completed this time and date. Checked all applicable ADs, CW AD2010-20-23 no defects noted next due ACTT 2918.2 or 6/2023. Changed oil and filter p/n 825014-016 and serviced with Aeroshell sport Plus 4. Old filter cut open no metal found. R&R all 8 spark plugs p/n DCPRTE. Compression checks 1) 62/80 2) 68/80 3) 71/80 4) 72/80. LH floats 6.5g, RH floats 6.3g. G/B friction torque within limits. Ground run leak checked sat. I certify this engine has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty
AP3699307

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TOTAL THIS PAGE	
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TOTAL SINCE MFG.	

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

A COMPLETE