



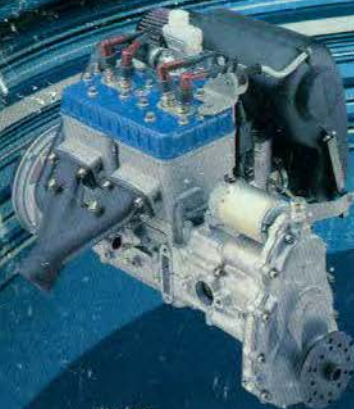
N106SF

MOTOR LOGBUCH

ENGINE LOG BOOK



picture
ROTAX® 912 ULS 3 with options



picture
ROTAX® 582 UL DCDI with options

Ausgabe Edition: 2007 01 01.

Teile-Nr. / part no.: 898020

Nr. / no.:

FR 75 304

Motor-Logbuch Nr.:

Engine Log Book:

FR 75 304

für Kolbenmotor
for piston engine

1

Baumuster:

Type of engine:

912

Baureihe:

Model:

ULS 2

Motor-Nr.:

Engine serial no.:

6.775.304

Hersteller:

Manufacturer:

BRP-Powertrain GmbH & Co. KG

A-4623 Gunskirchen, Austria

Baujahr:

Year of manufacture:

22.07.09

Kennblatt:

Data sheet:

/

Startleistung:

Take off power:

100 / 73,5 PS / kW
hp / kW

zul. Dauer:

perm. duration:

5 min.
min.

bei:

at:

5800 min⁻¹
r.p.m.

Max. zul. Dauerleistung:

Max. cont. Power:

95 / 69 PS / kW
hp / kW

bei:

at:

5500 min⁻¹
r.p.m.

Bemerkungen: /

Remarks:

FRANZ

AIRCRAFT ENGINES VERTRIEB GMBH

EASA: DE.145.0318

Am Weidengrund 1a · D-83135 Schechen

Tel. +49 (0) 8039 90 35-0 · Fax. -35

www.franz-aircraft.de

Datum:

Date:

12 October 2009

Unterschrift:

Signature:

Jessica Obergrusberger

Motor Ein- und Ausbau Übersicht / Engine installation record

Luftfahrzeug:
Aircraft:Datum:
Date:Betriebsstunden
Engine hours:Unterschrift &
LFZ. Wart Nr.:
Signature &
Service no.:Kennz.:
Registr.:Type:
type:Einbau:
in:Ausbau:
out:Gesamt:
TSNseit letzter GÜ.:
TSO

FLIGHT DESIGN

Flight
Stelminger Str. 31
D-70771 L.-EchterdingenF-09-10-13 C1LS 29 Sep 09 -
Advanced LSA

0,5 h

Wartungsübersicht / Maintenance record

Datum:
Date:Betriebsstunden:
Engine hours:Gesamt:
TSN:seit letzter GÜ.:
TSO:Durchgeführte Arbeiten:
Work performed:Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

3-September-2010 N106SF 912ULS S/N6775304 Hobbs 19.0
 C/W 25 Hour Rotax Engine Inspection, Drained oil & serviced with 3 quarts of Aeroshell Sport +4 oil &
 Installed a new oil filter. Drained coolant system & installed new DexCool 50/50 - Leak Checked OK. C/W
 SB912-057UL 2000 Hour TBO Extension Installed new oil plug and spring - Leak Checked OK. All work
 completed I/A/W Rotax Maintenance Manual. Pertinent details can be found on file @ Lockwood Aviation
 Repair Under WO6120 & WO6127
 Signature _____ A.8 _____

Joseph A. Benton, A&P

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
 LOG ID# 8175 02-December-2010 WO# 5230 REF# 5230 AC TT 96.6 HOBBS 96.6
 N106SF S/N F-09-10-13 FLIGHT DESIGN Ctls
 TSN 96.6 TSO 96.6

Pg 1 / 1

ENGINE

*COMPLETED 100 HOUR INSPECTION AND LUBRICATION IAW FLIGHT DESIGN MM 5-00. NEXT 100 HOUR INSPECTION
 DUE 196.6 ACTT.

*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825706; SERVICED WITH 3 QTS AEROSHELL
 10W40-SPORT OIL. LEAK CHECK: GOOD.

ALL WORK COMPLETED I/A/W FLIGHT DESIGN'S MAINTENANCE MANUAL, WIRING DIRAGRAMS, ROTAX ENGINE MANUAL.
 PERTINENT DETAILS CAN BE FOUND ON FILE @ DOUGLAS DUNCAN AVIATION UNDER REPAIR ORDER 5320

DOUGLAS DUNCAN

A&P/IA

DATE

12-2-10

Wartungsübersicht / Maintenance record

15

Shift &
rt Nr.:
ire &
no.:

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8216 01-February-2011 WO# 5253 REF# 5253 AC TT 134.4 HOBBS 134.4
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLs
TSN 134.4 TSO 134.4

Pg 1 / 1

ENGINE

*PERFORMED ANNUAL INSPECTION IAW FLIGHT DESIGN MAINTENANCE MANUAL FOR SERIAL NUMBER F-09-10-13. NEXT CONDITIONAL/ANNUAL INSPECTION DUE 02/28/12.

INSPECTED AIRCRAFT ELT SYSTEM ACCORDING TO AIRCRAFT AND ELT MANUFACTURER'S INSTRUCTIONS AND APPLICABLE FAA GUIDANCE. ELT FOUND TO MEET REQUIREMENTS OF SECTION 91.207(D). BATTERIES DUE 02/2016.

NEXT INSPECTION DUE 2/29/2012.

JACKED AIRCRAFT AND REMOVED AND REINSTALLED WHEEL AND TIRE ASSEMBLIES AND LUBED WHEEL BEARINGS

LUBED ENTIRE AIRCRAFT IAW FLIGHT DESIGN MAINTENANCE MANUAL FOR SERIAL NUMBER F-09-10-13

PERFORMED PRE AND POST MAINTENANCE ENGINE RUNS AND FOUND ALL WITH IN TOLERANCE.

TROUBLE SHOT COOLANT LEAK AND SECURED COOLANT LINES. TOPPED OFF FLUID LEVELS AS NEEDED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN SAFE OPERATION CONDITION ON THIS DATE.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

DOUGLAS DUNCAN

A&P/IA

DATE

2-1-11

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8321 24-March-2011 WO# 5279 REF# 5279 AC TT 196.6 HOBBS 196.6
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLs
TSN 196.6 TSO 196.6

Pg 1 / 1

ENGINE

*COMPLETED 100 HOUR INSPECTION AND LUBRICATION IAW FLIGHT DESIGN MM AND ROTAX MM. ALL AD'S AND SB'S RESEARCHED THROUGH FLIGHT DESIGN. NEXT 100 HOUR INSPECTION DUE AT 296.6 ACTT. COMPRESSION: #1 -80/80; #2 -80/80; #3 - 80/80; #4 - 80/80. DRAINED ENGINE OIL AND SERVICED WITH 3 LITERS OF AEROSHELL 10W40 SPORT 4. REPLACED OIL FILTER. REMOVED AND REPLACED ALL SPARK PLUGS, P/N DCPR8E. OPS CHECK: GOOD.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/100 HOUR INSPECTION AND WAS DETERMINED TO BE IN SAFE OPERATING CONDITION ON THIS DATE.

DOUGLAS DUNCAN

A&P/IA

DATE

3-24-11

Datum:
Date:

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8324 27-May-2011 WO# 5324 REF# 5324 AC TT 297.5 HOBBS 297.5
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 297.5 TSO 297.5

Pg 1 / 1

ENGINE

*COMPLETED 100 HOUR INSPECTION AND LUBRICATION. NEXT 100 HOUR INSPECTION DUE AT 397.5 ACTT.
COMPRESSION: #1 85/87; #2 85/87; #3 85/87; #4 85/87. CHANGED OIL & FILTER. CHECKED FOR METALS. NONE
FOUND. SERVICED OIL WITH 3 LITERS AEROSHELL SPORT 4.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/100 HOUR INSPECTION
AND WAS DETERMINED TO BE IN SAFE OPERATING CONDITION ON THIS DATE.

DOUGLAS DUNCAN

A&P/IA

DATE

5-27-11

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8327 13-July-2011 WO# 5346 REF# 5346 AC TT 355.1 HOBBS 355.1
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 355.1 TSO 355.1

Pg 1 / 1

ENGINE

*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825706; NO METAL FOUND; SERVICED WITH
3 LITERS AEROSHELL 10W40-SPORT OIL. NEXT DUE AT 405.1 ACTT.

DOUGLAS DUNCAN

A&P/IA

DATE

7-13-11

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8356 10-August-2011 WO# 5361 REF# 5361 AC TT 396.9 HOBBS 396.9
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 396.9 TSO 396.9

Pg 1 / 1

ENGINE

*COMPLETED 100 HOUR INSPECTION AND LUBRICATION. NEXT 100 HOUR INSPECTION DUE AT 496.9 ACTT.
CHANGED OIL & FILTER. CHECKED FOR METALS. NONE FOUND. SERVICED OIL WITH 3 LITERS AEROSHELL SPORT 4.
CHANGED ALL SPARK PLUGS. LUBED AIRCRAFT AS NECESSARY.

*REPLACED RH CARBURETOR BOWL GASKET, P/N 830727. OPS/LEAK CHECK: GOOD.
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/ANNUAL/100 HOUR
INSPECTION AND WAS DETERMINED TO BE IN SAFE OPERATING CONDITION ON THIS DATE.

DOUGLAS DUNCAN

A&P/IA

DATE

8-10-11

Datur
Date

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8380 02-September-2011 WO# 5384 REF# 5384 AC TT 451.2 HOBBS 451.2
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 451.2 TSO 451.2

Pg 1 / 1

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ENGINE
*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825012; NO METAL FOUND; SERVICED WITH
3 LITERS AEROSHELL 10W40-SPORT OIL. NEXT DUE AT 501.2 ACTT.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE
WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH
REGARDS TO MAINTENANCE PERFORMED.

DOUGLAS DUNCAN

A&P/IA

9-2-11
DATE

1-October-2011 N106SF 912ULS Hobbs: 458.2
Inspected, cleaned & overhauled carburetors with kit CRK2. All work completed I/A/W Rotax
M/M. Pertinent details can be found on file @ Lockwood Aviation Repair Under WO6936.
Signature _____ A&P _____
Kathy Yonck A&P

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8434 07-October-2011 WO# 5398 REF# 5398 AC TT 458.2 HOBBS 458.2
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 458.2 TSO 458.2

Pg 1 / 1

ENGINE

*REMOVED LH AND RH CARBURETORS FOR OVERHAUL BY LOCKWOOD AVIATION. RE-INSTALLED AND ADJUSTED SAME
OVERHAULED CARBURETORS. OPS CHECK: GOOD.

DOUGLAS DUNCAN

A&P/IA

10-7-11
DATE

Datum
Date:

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8460 28-October-2011 WO# 5419 REF# 5419 AC TT 498.5 HOBBS 498.5
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 498.5 TSO 498.5

Pg 1 / 1

ENGINE
*COMPLETED 100 HOUR INSPECTION AND LUBRICATION. NEXT 100 HOUR INSPECTION DUE AT 596.0 ACTT.
CHANGED OIL & FILTER. CHECKED FOR METALS. NONE FOUND. SERVICED OIL WITH 3 LITERS AEROSHELL SPORT 4.
LUBED AIRCRAFT AS NECESSARY. COMPRESSION: #1 - 84/85; #2 - 84/85; #3 - 84/85; #4 - 83/85.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/100 HOUR INSPECTION
AND WAS DETERMINED TO BE IN SAFE OPERATING CONDITION ON THIS DATE.

DOUGLAS DUNCAN

A&P/IA

DATE

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8462 22-November-2011 WO# 5427 REF# 5427 AC TT 554.6 HOBBS 554.6
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 554.6 TSO 554.6

Pg 1 / 1

ENGINE
*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER. P/N 825012; SERVICED WITH AEROSHELL
10W40-SPORT OIL IAW ROTAX ICA. LEAK CHECK: GOOD.

DOUGLAS DUNCAN

A&P/IA

DATE

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8464 15-December-2011 WO# 5450 REF# 5450 AC TT 598.7 HOBBS 598.7
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 598.7 TSO 598.7

Pg 1 / 1

ENGINE
*COMPLETED 100 HOUR INSPECTION AND LUBRICATION IAW FLIGHT DESIGN CTLS ICA AND ROTAX ICA. NEXT 100
HOUR INSPECTION DUE AT 696.0 ACTT.
COMPRESSION: #1 - 83/85; #2 - 83/85; #3 - 83/85; #4 - 84/85.
*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER. P/N 825012; SERVICED WITH 3 LITERS
AEROSHELL 10W40-SPORT 4 OIL IAW ROTAX ICA. LEAK CHECK: GOOD.
*C/W 600 HOUR GEARBOX INSPECTION. NO DEFECTS NOTED. NEXT INSPECTION DUE AT 1196.0 ACTT.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/100 HOUR INSPECTION
AND WAS DETERMINED TO BE IN SAFE OPERATING CONDITION ON THIS DATE.

DOUGLAS DUNCAN

A&P/IA

DATE

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8540 19-January-2012 WO# 5455 REF# 5455 AC TT 646.3 HOBBS 646.3
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 646.3 TSO 646.3

Pg 1 / 1

ENGINE

*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825012; SERVICED WITH 3 LITERS AEROSHELL 10W40-SPORT 4 OIL. LEAK CHECK: GOOD.

DOUGLAS DUNCAN

A&P/IA

DATE

01-19-12
03-01-12

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8513 10-February-2012 WO# 5471 REF# 5471 AC TT 701.7 HOBBS 701.7
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 701.7 TSO 701.7

Pg 1 / 1

ENGINE

*COMPLETED ANNUAL INSPECTION AND LUBRICATION IAW FLIGHT DESIGN CTLS ICA AND ROTAX ICA. NEXT 100 HOUR INSPECTION DUE AT 801.7 ACTT. ANNUAL INSPECTION DUE 2/28/2013.

COMPRESSION: #1 - 84/85; #2 - 84/85; #3 - 83/85; #4 - 83/85.

*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825012; REPLACED OIL RESERVOIR PLUG GASKET, P/N 250010, AND RING GASKET, P/N 950141; SERVICED WITH 3 LITERS AEROSHELL 10W40-SPORT 4 OIL IAW ROTAX ICA. LEAK CHECK: GOOD.

*REPLACED ALL SPARK PLUGS, P/N DCPR8E. OPS CHECK: GOOD.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN SAFE OPERATING CONDITION ON THIS DATE.

DOUGLAS DUNCAN

A&P/IA

DATE

2-10-12

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8541 01-March-2012 WO# 5481 REF# 5481 AC TT 751.7 HOBBS 751.7
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 751.7 TSO 751.7

Pg 1 / 1

ENGINE

*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825012; SERVICED WITH 3 LITERS AEROSHELL 10W40-SPORT OIL. LEAK CHECK: GOOD.

DOUGLAS DUNCAN

A&P/IA

DATE

03-01-12

19

chift &
art Nr.:
ture &
e no.:

Wartungsübersicht / Maintenance recordDatum:
Date:Betriebsstunden:
Engine hours:Durchgeführte Arbeiten:
Work performed:Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:Gesamt:
TSN:seit letzter GÜ.:
TSO:**March 30, 2012****TSNEW: 800.6****Hobbs: 800.6****Engine: Rotax 912ULS2****SN# 6.775.304****N106SF**

Performed 100hr inspection and service this date. Next 100hr inspection due 900.6hrs. Compression #1-86/87, #2-85/87, #3-85/87, #4-84/87. Spark plugs replaced with new DCPR8E. Oil filter replaced with new P/N 825012. Filter inspected with no metal found. Oil tank removed, disassembled, cleaned and reinstalled with 3 liters Aeroshell 10W/40-sport-4. Removed both carburetors, disassembled, cleaned, inspected, reinstalled and balanced. Engine run with no leaks noted. Engine developed rated Hp. I certify that this engine has been inspected in accordance with a conditional/100hr inspection and was determined to be in safe operating condition on this date.


John Pruden A&P/IA 

Wartungsübersicht / Maintenance record

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Datum:
Date:

Betriebsstunden:
Engine hours:

Durchgeführte Arbeiten:
Work performed:

Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

Gesamt:
TSN:

seit letzter GÜ.:
TSO:



May 9, 2012

TSNEW: 900.8

Hobbs: 900.8

Engine: Rotax 912ULS2

SN# 6.775.304

N106SF

Performed 100 hr inspection and service this date. Changed oil and filter. Serviced with 3 lite Aeroshell 10W40-sport-4. Oil filter replaced with new P/N 825012. No metal found in filter. Compressions as follows: #1-87/87 #2-87/87 #3-86/87 #4-86/87. Cleaned and inspected spark plugs.. Checked control cables for security and operation. Engine ran with no leaks note. Engine developed rated hp. I certify that this engine has been inspected in accordance with conditional 100hr inspection and was determined to be in safe operating condition on this date.

John Pruden A&P

3-July-2012 N106SF 912ULS S/N6775304 Hobbs: 1002.4

C/W 200 hour Carburetor inspection & overhaul. All work completed I/A/W Rotax M/M. Pertinent details can be found on file @ Lockwood Aviation Repair Under WO7483.

Signature

Kerry Yunch A&P

Wartungsübersicht / Maintenance record

Datum:
Date:Betriebsstunden:
Engine hours:Durchgeführte Arbeiten:
Work performed:Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:Gesamt:
TSN:seit letzter GÜ.:
TSO:

July 7, 2012

Hobbs: 1002.4 TSN: 1002.4

Engine Rotax 912ULS2

Ser# 6.775.304

N106SF

Performed 100HR inspection and service. Compressions: #1-87/86 #2-87/86
#3-87/86 #4-87/86. Changed oil and filter (825012). Serviced engine with 3 liters
Aeroshell 10W40-sport-4. Old filter cut open no metal noted. Spark plugs
replaced with new DCPR8E. Both carbs removed and sent to Lockwood Aviation
Sebring FL. for 200 HR inspection/ Overhaul left carb serial #091534 right serial
091411 see W/O attached to this page. Both carbs bent tube assy., (861 640)
replaced. Reinstalled and balanced both carbs. Ran engine no leaks noted. I
certify that this engine was inspected IAW a condition /100HR inspection and was
determined to be in an airworthy condition.

PAUL S RIDGEWAY

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8720 02-August-2012 WO# 5595 REF# 5595 AC TT 1053.6 HOBBS 1053.6
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 1053.6 TSO 1053.6

Pg 1 / 1

rift &
t Nr.:
e &
no.:

ENGINE

*DRAINED OIL; REMOVED, INSPECTED (NO SIGNIFICANT MATERIAL NOTED), AND REPLACED OIL FILTER, P/N 825012; SERVICED WITH 3 LITERS AEROSHELL 10W40-SPORT OIL IAW ROTAX ICA. OPS/LEAK CHECK: GOOD.

DOUGLAS DUNCAN

A&P/IA

DATE

8-2-12

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8772 31-August-2012 WO# 5613 REF# 5613 AC TT 1101.7 HOBBS 1101.7
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 1101.7 TSO 1101.7

Pg 1 / 1

ENGINE

*COMPLETED 100 HOUR INSPECTION AND LUBRICATION IAW FLIGHT DESIGN CTLS ICA AND ROTAX ICA. NEXT 100 HOUR INSPECTION DUE AT 1201.7 ACTT.

COMPRESSION: #1 - 83/85; #2 - 82/85; #3 - 84/85; #4 - 84/85.

*C/W ASB-912-061UL, BY INSPECTION OF AIRCRAFT ENGINE AND RECORDS. FOUND UNIT IN QUESTION NOT INSTALLED. NO FURTHER ACTION REQUIRED.

*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825012; REPLACED OIL RESERVOIR PLUG GASKET, P/N 250010, AND RING GASKET, P/N 950141; SERVICED WITH 3 MOBILE 10W40 OIL IAW ROTAX ICA. LEAK CHECK: GOOD.

*REPLACED ALL SPARK PLUGS, P/N DCPR8E, IAW ROTAX MM. OPS CHECK: GOOD

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITIONAL/100 HOUR INSPECTION AND WAS DETERMINED TO BE IN SAFE OPERATING CONDITION ON THIS DATE.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

DOUGLAS DUNCAN

A&P/IA

DATE

8-31-12

Datum:
Date:

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 8795 26-September-2012 WO# 5635 REF# 5635 AC TT 1163.7 HOBBS 1163.7
N106SF S/N F-09-10-13 FLIGHT DESIGN CTLS
TSN 1163.7 TSO 1163.7

Pg 1 / 1

ENGINE

*DRAINED OIL; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N 825012; REPLACED GASKET, P/N 250010;
AND SERVICED WITH 3 LITERS AEROSHELL 10W40 SPORT 4 OIL IAW ROTAX ICA. OPS/LEAK CHECK: GOOD.

DOUGLAS DUNCAN

A&P/IA

DATE

9-26-12

12-October-2012 N106SF 912ULS S/N 6775304 Hobbs: 1198.9

C/W 600 Hour Inspection on 912ULS Gear Box S/N 49653. Installed 3 spring discs, a step
cellar and re-shimmed. All work completed I/A/W Rotax M/M. Pertinent details can be found
on file @ Lockwood Aviation Repair Center N106SF.

Signature

Kerry Funk, A&P



Oct 15, 2012

Eng TT: 1198.8

TSMOH: 1198.8

Engine: Rotax 912 ULS 2 Hobbs: 1198.8

SN# 6.775.304

N106SF

Performed 100 Hr. inspection and service. Compression #1 86/87, #2 85/87, #3 85/87, #4
86/87. Changed oil and filter (825012). Serviced engine with 3 liters Aeroshell 10W40-spor.
4. All spark plugs replace with new DCPRBE. 200 hr. inspection of Carbs accomplished. Gear
Box removed and 600hr inspection done by Lockwood Aviation. Reinstalled Gear Box and
torqued. Engine run with no leaks noted. I certify that this engine has been inspected in
accordance with a conditional/100hr inspection and was determined to be in save operating
condition on this date

John Pruden A&P

Datum:
Date:



ANDERSON REGIONAL
AIRPORT

Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

Oct 24, 2012 Eng TT: 1221.6 Hobbs: 1221.6 TSMOH: 1221.6

Engine: Rotax 912 ULS 2

SN# 6.775.304

N106SF

Removed and resealed gearbox to case mating surface due to oil leak. Ops checked good.

Christopher A. Maxwell A&P/IA



ANDERSON REGIONAL
AIRPORT

November 5, 2012 Tach: 1269.7 Hobbs: 1249.0

TSMOH: 1269.7

Engine Rotax 912ULS2

Ser# 6.775.304

N106SF

Drained oil. Serviced engine with 3liters Aeroshell oil Sport Plus 4 Installed new filter (825012) and oil tank gasket (250010). Old filter cut open no metal noted.

Ran engine no leaks noted.

DAVE S RIDGEWAY A&P

Jan. 25, 2013

TSMOH: 1355.0

Hobbs: 1355.0

Engine: Rotax 912ULS2

SN#: 6.775.304

N106SF

Performed an Oil and Filter change on this date. Serviced engine with 3 liters with Aeroshell Oil Sport Plus 4. Installed new filter (PN# 825012) and oil tank plug gasket (PN# 250010). Filter cut and inspected for particles. None found. Engine test run and leak checked. No leak noted.

Christopher A. Maxwell A&P

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Datum:
Date:ANDERSON REGIONAL
AIRPORTUnterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

Dec 12, 2012

Engine: Rotax 912 ULS 2

N106SF

Eng TTSN: 1317.1 Hobbs: 1295.8

SN# 6.775.304

Performed 100 HR Inspection IAW Rotax Service Manual. Changed oil and filter. Performed compression check. All cylinders 84/87psi or above. Filter cut and inspected for particles. No detected. Repaired rt carb Fuel squapper. Changed all spark plugs. Engine ran developed power and all systems operated normal. No leaks noted.

John Pruden A&P [REDACTED]

Datum:
Date:

19-July-2013 N106SF 912ULS S/N6775304 Hobbs: 1390.4

C/W Annual/100 Hour Condition Inspection. Gapped and Installed 8 new spark plugs DCPR8E. Changed oil & filter. Cleaned oil tank, installed a new Rotax oil filter and serviced with Aeroshell Sport +4 oil - Leak checked OK. C/W checking all Rotax Engine service bulletins for compliance. C/W Rotax 100 Hour Differential Compression Test Test Pressure: 80psi Results: Cylinder 1: 78 / 80psi, Cylinder 2: 74 / 80psi, Cylinder 3: 72 / 80 psi, Cylinder 4: 76 / 80psi. C/W Rotax 200 Hour checking of the ventilation of the float chambers. C/W 1-Year Carburetor Float Chamber Inspection. C/W Rotax 200 Hour Inspection of the carburetor sockets for damage and abnormalities - Checked OK. C/W 200 Hour Spark Plug Connector Pull-off check - OK. Installed new LT/RT carburetor choke elbow assemblies. Resealed coolant elbow at cylinder #2. Reinstalled exhaust system and adjusted. Installed new o-rings on all valve covers, torqued to spec.

2 of 3

19-July-2013 N106SF 912ULS S/N6775304 Hobbs: 1390.4

Installed safety wire on engine ring mount bolts. Installed spring on carb heat control rod @ airbox. C/W 5-Year Hose Requirement (hoses only): Replaced all engine coolant, fuel and oil hoses. Reinstalled engine assembly. Installed DexCool 50/50 Coolant - Leak Checked OK. C/W SI-912-018 Purging of the Lubrication System and Hydraulic Valve Tappet Check - checked OK - Serviced with Aeroshell Sport +4 Oil. All components operation and leak checked OK. Replaced coolant expansion tank rubber protection pad. Installed new connectors on CHT & oil temperature probe wires - OP's checked OK. Installed new regulator/rectifier - OP's checked OK. Cleaned carburetor jets and installed new floats (right carburetor). Installed new right EGT probe assembly - OP's checked OK.

3 of 3

9-July-2013 N106SF 912ULS S/N6775304 Hobbs: 1390.4

Removed gear box, inspected and installed new gear set S/N 08.2501, dog hub, spring discs, friction washer and reshimmed. Installed new engine case seal. Reinstalled Gearbox, prop and related components - OP's & Leak Checked OK. I certify this engine has been inspected I/A/W Rotax maintenance and inspection procedures and was found to be in a condition for safe operation. All work completed I/A/W Rotax M/M. Pertinent details can be found on file @ Lockwood Aviation Repair Under WO8084

Signature

Joseph A. Benton, A&P

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Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

n:

Wartungsübersicht / Maintenance record

Datum:
Date:Betriebsstunden:
Engine hours:Durchgeführte Arbeiten:
Work performed:Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:Gesamt:
TSN:seit letzter GÜ.:
TSO:

22-August-2013 N106SF 912ULS S/N 6775304 Hobbs: 1420.9
 Changed oil and filter. Cleaned oil tank, installed new Rotax oil filter and serviced with
 Aeroshell Sport +4 oil. Performed Carburetor Synchronization. All work completed I/A/W
 Rotax M/M. Pertinent details can be found on file @ Lockwood Aviation Repair Under
 WO8249.
 Signature: [Redacted]

Dean Vogel, A&P

17-September-2013 N106SF 912ULS S/N 6775304 Hobbs: 1422.5
 C/W SB-912-063UL R1. Removed and installed new fuel pump assembly PN 881360 S/N
 13.1651. Installed vent hose - OP's & Leak Checked OK. All work completed I/A/W Rotax
 M/M. Pertinent details can be found on file @ Lockwood Aviation Repair Under WO8287.
 Signature: [Redacted]

Joseph A. Benton, A&P

N106SF Flight Design CTLS S/N F-09-10-13 912ULS S/N 6775304
 Hobbs: 1428.8
 C/W Annual/100 Hour Condition Inspection. C/W checking all Rotax
 Engine service bulletins for compliance. C/W Rotax 100 Hour Differential
 Compression Test Test Pressure: 80psi Results: Cylinder 1: 78 / 80psi,
 Cylinder 2: 74 / 80psi, Cylinder 3: 72 / 80 psi. Cylinder 4: 76 / 80psi.
 Replaced 1 exhaust spring on cylinder #3. I certify this engine has been
 inspected I/A/W Rotax maintenance & inspection procedures and was
 found to be in a condition for safe operation. All work completed I/A/W
 Rotax M/M. Pertinent details can be found on file @ Lockwood Aviation
 Repair Under WO8298.
 Signature: [Redacted]

Joseph A. Benton, A&P

Wartungsübersicht / Maintenance record

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Datum:
Date:

2014

22-October-2013 N106SF 912ULS S/N 6775304 Hobbs: 1491.3

C/W Annual/100 Hour Rotax Engine Condition Inspection. Changed oil and filter: Cleaned oil tank, installed a new Rotax oil filter and serviced with Aeroshell Sport +4 oil - Leak. Gapped & installed 8 spark plugs DCP88E. C/W checking all Rotax engine service bulletins for compliance. C/W Rotax 100 Hour Differential Compression Test Pressure: 80psi Results: Cylinder 1: 76 / 80psi, Cylinder 2: 78 / 80psi, Cylinder 3: 76 / 80 psi, Cylinder 4: 76 / 80psi. C/W Rotax 200 Hour Inspection of the carburetor sockets for damage and abnormalities - Checked OK. C/W 200 Hour Spark Plug Connector Pull-off check - checked OK. Replaced Right CHT probe - OP's checked OK. Replaced oil cooler rubber mounts. Moved carburetor clip position to #2 per elevation location. I certify this engine has been inspected I/A/W Rotax maintenance and inspection procedures and was found to be in a condition for safe operation. All work completed I/A/W Rotax M/M. Pertinent details can be found on file @ Lockwood Aviation Repair Under WO8359.

Signature

Joseph A. Benton, A&P

beiten:
id:

Unterschrift &
LFZ Wart Nr.:
Signature &
Licence no.:

13-March-2014 N106SF Flight Design CTLS F09-10-13, 912ULS S/N 6775304, Hobbs: 1583.4

Changed oil and filter: serviced with Aeroshell Sport +4 and new Rotax oil filter. All work completed I/A/W Rotax M/M. Pertinent details can be found on file @ Lockwood Aviation Repair Under WO 8628.

Signature

Joseph A. Benton A&P

4/25/

1608. C/W 100 hr Rotax engine inspection, changed oil and filter
Aeroshell Sport +4 oil - 82502 filter Leak down check on engine
#1- 82/87 #2- 83/87 #3- 79/87 #4- 84/87 Friction
Torque on gear box 26 ft/lb change Radiator Cap with new
one checked Sgn on Carbs, ReSet. fix exhaust Leak on #2
Pipe and Reglow 2 exhaust Springs

Wartungsübersicht / Maintenance record

Datum:

Date:

2014
4/25/

Betriebsstunden:

Engine hours:

Gesamt:

TSN:

1608

seit letzter GÜ.:

TSO:

Durchgeführte Arbeiten:

Work performed:

Unterschrift &

LFZ Wart Nr.:

Signature &

Licence no.:

checked ^{on engine bay} May Play dirty but OK. Test Run engine
for leak. Test all carb Syms isle was at 15300K.
I have inspected the engine as per 100 hr engine
I/A/a Rotary Air Maintenance Manual and have found
it to be in a Safe Condition for flight.

Wartungsübersicht / Maintenance record

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[illegible]



6.775.304.

Motornummer / Engine serial no.

Flugzeugtype / Type of aircraft

N106SF

Flugzeugkennzeichen / Aircraft registration no.

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ROTAX® authorized distributor

FRANZ

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