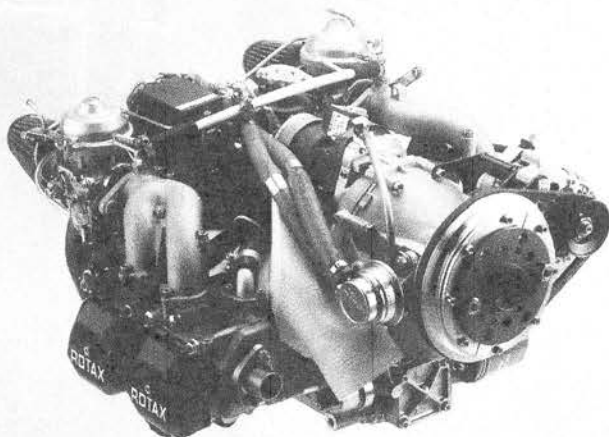


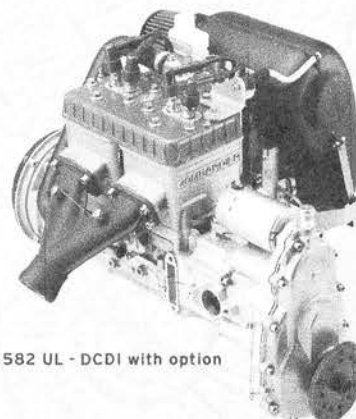
The Sky is the Limit.SM

ROTAX
AIRCRAFT ENGINES

Motor Logbuch **Engine Log Book**



Picture 912 A3 - with option



Picture 582 UL - DCDI with option

Nr.: N302CT
no.: FR 48 163

Diese technischen Daten und die darin enthaltenen Informationen sind Eigentum von ROTAX[®] GmbH und dürfen nicht ohne vorherige schriftliche Genehmigung durch ROTAX[®] GmbH, weder zur Gänze noch teilweise, reproduziert und an Dritte weitergegeben werden. Dieser Text muß auf jeder kompletten oder teilweisen Reproduktion aufscheinen. Bei Verkauf des Motors/Originalgerätes muß das Motor Logbuch mitgegeben werden.

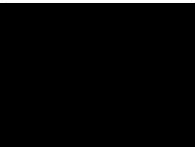
These technical data and the information contained therein are property of ROTAX[®] GmbH and must not be reproduced, neither in entirely nor partially, and passed on to third parties without previous consent in writing by ROTAX[®] GmbH. This text must be written on every complete or partial reproduction. The engine log book must remain with the engine/aircraft in case of sale.

Motor-Logbuch Nr.: Engine Log Book:		FR 48163		für Kolbenmotor for piston engine		1	
Baumuster: <i>Type of engine:</i>		912		Baureihe: <i>Model:</i>		ULS2	
Motor-Nr.: <i>Engine serial no.:</i>		5.648.163					
Hersteller: <i>Manufacturer:</i>				BRP-Rotax GmbH & Co. KG A-4623 Gunskirchen, Austria			
Baujahr: <i>Year of manufacture:</i>				Feb. 2007			
Kennblatt: <i>Data sheet:</i>							
Startleistung: <i>Take off power:</i>		100 / 73,5		PS/kW <i>hp/kW</i>		zul. Dauer: <i>perm. duration:</i>	
						5 min. <i>min.</i>	
						bei: <i>at:</i>	
						5800 min⁻¹ <i>r.p.m.</i>	
Max. zul. Dauerleistung: <i>Max. cont. Power:</i>		95 / 69		PS/kW <i>hp/kW</i>		bei: <i>at:</i>	
						5500 min⁻¹ <i>r.p.m.</i>	
GEARBOX S/N 35026 PLUGS NGK 4339							
Bemerkungen: <i>none.</i> <i>Remarks:</i>							
							
Datum: <i>Date:</i>				24th May 2007			
Unterschrift: <i>Signature:</i>				Sabrina von Grambusch			

Motor Ein- und Ausbau Übersicht / Engine installation record

Kennz.: Registr.:	Luftfahrzeug: Aircraft:	Type: type:	Datum: Date:	Einbau: in:	Ausbau: out:	Betriebsstunden Engine hours:	Gesamt: TSN	seit letzter GÜ.: TSO	Unterschrift & LFZ. Wart Nr.: Signature &
07-06-06	CTSW	Advanced LSA	10 May 07	-	-	0,5h	-	-	

5

Lufttüchtigkeitsanweisung bzw. Änderung: <i>Airworthiness directive or modification:</i>	Ges. Std.: TSN:	Datum: Date:	Unterschrift & LFZ W. Nr.: Signature & Licence no.:
SB-912-041 "TBO-Extension 1500 h" effective	0:00	24.05.07	
SB 912-043r1 "Change of coolant specification" effectiv	0:00	24.05.07	
SB 912-053 "Replacement of fuel pump" attended.	0:00	24.05.07	
SB 912-000r6, 912-001 – 912-040, 912-042r1, 912-044 -	0:00	24.05.07	
912-052 not applicable.	0:00	24.05.07	

14

Wartungsübersicht / Maintenance record

Datum: Date:	Betriebsstunden: Engine hours:		Durchgeführte Arbeiten: Work performed:	Unterschrift & LFZ Wart Nr.: Signature &
	Gesamt: TSN:	seit letzter GÜ.: TSO:		
24.05.07	0:00	0:00	According to the work report no. 2007.315 from 24th of Mai 2007 is the ROTAX engine type 912 ULS2 s/n 5.648.163 modified.	
			12/11/07 N302CT Rotax 912ULS S/N5648163 Hobbs: 22.0 Performed 25 hour engine inspection. Drained oil and serviced with 3 quarts Pennzoil 20W50 oil and installed new filter 825703. All work performed I/A/W Rotax Inspection Procedures. Pertinent Details can be found on file @ Lockwood Aviation Repair Under WO3938. Signatur [REDACTED]	
11 Sept 08	47.9		performed 50 hour inspection / Annual changed engine oil - Amsoil 10w40 full synthetic motorcycle oil - changed oil filter. Cleaned excessive Anti-seize from spark plugs. re-gapped and replaced.	MATT SMITH [REDACTED]

Wartungsübersicht / Maintenance record

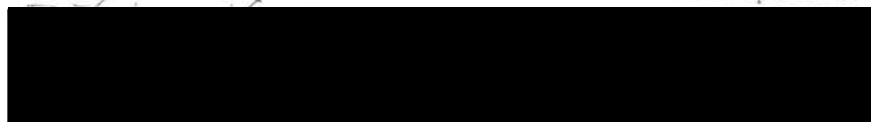
15

Datum: Betriebsstunden: Durchgeführte Arbeiten: Unterschrift & LFZ Wart Nr.:
Date: Engine hours: Signature & Licence no.:

Make Flight Design	Date 10/30/09
Model: CTSW	A/C TSN: 75.0
Serial Number 04-06-06	AC Total Time 75.0
Reg No 302CT	TSMOH: 75.0
	Hobbs 75.0

- ≥ Drained oil and refilled with 3 qts of Pennzoil 10w-40w 4 stroke motorcycle oil, cut filter inspection sat, installed new Rotax RBC 08 oil filter.
- ≥ Complied with ASB 912-051 inspection of the magnetic plug.
- ≥ Installed new spark plugs gapped at .030 P/N DCPR8E.
- ≥ Installed new air filter P/N C2039
- ≥ Next 100 hour inspection due at 175.0 hours

I certify that this aircraft has been inspected in accordance with rotax 912 Series engine service and maintenance manual for 100 hour conditional inspection as identified in the aircrafts instructions for continued use on this date and is found to be in a condition for safe operation.



25 Sept 2010

Flight Design: CTSW, Spd 04-06-06

TTSW 91.6

I certify that this aircraft has been inspected
in accordance with 912 Series engine service and
maintenance manual for 100 hour annual inspection on

TTSW 91.6

Hobbs 91.6

16

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:		
	Identified in the aircraft instructions for continued operation and on this date has been found in a condition for safe operation			
	[REDACTED]			
31 Dec 2011	Flight Design ETSW S/N 04-06-06 Rotox Engine 912 ULS S/N 5.648.163			
14 Dec 2011	I certify that this engine has been inspected in accordance with Rotox 912 ULS engine service and maintenance for 100 Hr/annual inspection and on this date have found it in a condition for safe operation			
	[REDACTED]			

Wartungsübersicht / Maintenance record

17

Datum:
Date:

Betriebsstunden:
Engine hours:

Durchgeführte Arbeiten:
Work performed:

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

Gesamt:
TSN:

seit letzter GÜ.:
TSO:

Make: Flight Design	Date 05/10/2012
Model: CTSW	A/C Total Since New: 108.8
Serial Number: 07-06-06	Engine Total Time Since New: 108.8
Reg. No: 302CT	Engine TSMOH: N/A
Engine Serial Number: 5.648.163	Hobbs: 108.8

1. After hard landing inspected fire wall, fire wall engine mounts locations, and main gear mounting location with satisfactory results. No damage noted.
2. Inspected engine mount and noted it was deformed and need replacement. See airframe log book enter dated.
3. Removed and reinstalled engine. Replaced Engine mount with new Flight Design P/N KB5010100; replaced 16 Silent blocks with new P/N C9997739. Realigned engine to airframe.
4. Mechanically and pneumatically synchronized carburetors
5. Flight tested aircraft, all systems operated satisfactorily

I certify that this Aircraft and engine has been repaired in accordance with Flight Design CT Maintenance manual, and the Rotax 912 Series engine maintenance manual is found on this date to be in a condition for safe operation.



18

Wartungsübersicht / Maintenance record

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

Make: Flight Design	Date: 11/12/2012
Model: CTSW	A/C TSN: 113.3
Serial Number: 07-06-06	AC Total Time: 113.3
Reg. No: N469CT 302CT	TSMOH: N/A
Engine S/N: 5.648.163	Hobbs: 118.3

1. Complete annual engine inspection in accordance with ROTAX Maintenance Manual
2. Complied with ASB 912-051 inspection of the magnetic plug
3. Removed oil filter and replaced with new Rotax RCB 08 oil filter darned oil and recharged with 3 qts. Pennzoil 20W-50 and primed oil system.
4. Replaced all engine fuel and coolant system hoses in accordance with ROTAX Maintenance Manual
5. All applicable safety bulletins have been complied with.
6. Serviced engine in accordance with Flight Design CT Maintenance Manual and Rotax 912 Series engines Maintenance Manual. See engine 100 hr inspection for details.
7. Mechanically and pneumatically synchronized carburetors
8. Ground run up and flight tested aircraft, all systems operated satisfactorily no leaks noted

I certify that this Aircraft has been inspected in accordance with Flight Design CT Maintenance manual Chapter 3 section 3.0 to 3.10 and the Rotax 912 Series engine maintenance manual for an annual conditional inspection as identified in the aircrafts maintenance manual instructions and on this date 11/12/2012 is found to be in a condition for safe operation. Next 100 Hour/Annual Inspection due @ Hobbs reading of 113.3



19

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

seit letzter GÜ.:
TSO:

I certify this aircraft engine has been inspected in accordance with flight design CT and Rotax 912 series maintenance manual and on this date 2 May 2014 is found to be in a condition for safe operation. Next 100 hr inspection due at 213.3 HRS.

JUNE 13, 2015 HM AND TT 158.20
PERFORMED COMPRESSION TEST #1
88/100 #2 92/100 #3 88/100 #4 82/100.
DRAINED OIL, CUT FILTER, NO METAL,
ADDED 2&3/4 QTS SYBGUARD OIL AND
INSTALLED ROTAX OIL FILTER. CLEANED
SPARK PLUGS INSPECTED ALL ENGINE
ACCESSORIES FOR SECURITY. RAN
ENGINE, NO LEAKS. PERFORMED FICTION
LOCK TEST 28 FT LBS. JERRY B. PARKER

JUNE 13, 2015 HM AND TT 158.20 CERTIFY
THAT THIS ENGINE HAS BEEN INSPECTED
IN ACCORDANCE WITH A CONDITIONAL
INSPECTION, AND WAS DETERMINED TO
BE IN A CONDITION SAFE FOR OPERATION.
JERRY B. PARKER [REDACTED]

Durchgeführte Arbeiten:
Work performed:

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

Wartungsübersicht / Maintenance record

21

Datum:
Date:

Betriebsstunden:
Engine hours:

Durchgeführte Arbeiten:
Work performed:

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

Gesamt:
TSN:

seit letzter GÜ.:
TSO:

Custom Aviation Services, LLC [REDACTED] Sealy, TX 77494
N302CT Engine LOG - ROTAX 912 ULS 2 Ser# 5648163

Date: 6/6/2016

HOBBS: 184.8

Perform Annual condition inspection I/A/W BPR-Powertrain maintenance manual edition 3 Rev 0. Sync carburetors set idle to 1700 RPM. Drained oil and replaced with 3 ltrs of Aeroshell Sport 4, removed oil filter and cut open for inspection and found no debris, replaced with Rotax filter part # 825012. Replaced air filter with new Mann part # C2039 filter. Replaced 8 spark plugs with new NGK DCPR8E. Complied with or verified the following service bulletins; SB-912-029UL R3 Checking crankcase, SB-912-051UL Magnetic plug check. Friction torque checked within limits. All cylinders compressions are within limits. Test run ok no leaks.

I certify that this engine is in a condition for safe operation.

Wayne Lehmeyer, [REDACTED]

