

General Information



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Manufacturer <i>Flight Design GmbH</i>		Model <i>CTLS LSA</i>	
Serial No. <i>08-02-05/090 LAMASSO</i>		Registration No.	
Date of Manufacture <i>28 Mar 08</i>			
Engine installed at delivery:			
Manufacturer <i>Rotax</i>		Model <i>912 U46</i>	Serial Number No. <i>5649816</i>
Propeller installed at delivery:			
Manufacturer <i>Neuform</i>		Model <i>CE3-47-65-101.6</i>	
HUB Model <i>Neuform</i>		HUB Serial No. <i>204</i>	
Blade Model <i>Neuform</i>			
Blades Serial No. <i>22872827531</i>		<i>22872846731</i>	<i>22872849531</i>
Date <i>28 Mar 08</i>		Signature 	



FLIGHT DESIGN

D-70764 Stuttgart
Telefon 07 11 90287-0

08-02-05

Item No.	YEAR: DATE		Manufacturer / Model	Serial Number	Notes
	Installed	Removed			
1	24 Mar 08		Air Speed indicator	A 3429	☐ Optional ☒ Required UNA
2	24 Mar 08		Compass Falcorn	0710002	☐ Optional ☒ Required
3	24 Mar 08		Altimeter UNA	A 2367	☐ Optional ☒ Required
4	24 Mar 08		HOBBS	A 310654	☐ Optional ☒ Required
5	24 Mar 08		Intercom PM 3000	C05847-A-D	☒ Optional ☐ Required
6	24 Mar 08		Floscan	167854	☐ Optional ☒ Required
7	24 Mar 08		Compass D-10A	007988	☐ Optional ☒ Required K-Value: 30.61
8	24 Mar 08		Unheated Pitot Probe	B 3825	☐ Optional ☒ Required with A.P.P.
9	24 Mar 08		HS 34	001318	☒ Optional ☐ Required
10	24 Mar 08		CI-120 G/S	26191	☒ Optional ☐ Required
11	24 Mar 08		GNS 430 W	23404494	☒ Optional ☐ Required
12	24 Mar 08		CI-121	155865	☒ Optional ☐ Required
13	24 Mar 08		Transponder GTX 324	B3931014	☒ Optional ☐ Required
14	24 Mar 08		CI-105	30145	☒ Optional ☐ Required

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Flight Test Record

Temperature	+8°C		
TT Airframe	15	TT Engine	15
Pre-Flight Check			
Oil pressure @ Max. RPM	psi 47	Idle OK	1500
EGT @ Max. RPM	°F 1330	Max. RPM (note figure)	5040
Coolant temp within limits			

Flight Test

Climb trim speed (km/h)	65	Lift off speed (km/h)	38
Time to 1000', sec.	53	CHT/OIL temp within limits	134 / 121
Min trim speed	52	Max speed of horizontal flight	122
30° turn reversal at 50kt (95 km/h), time sec.	6	30° turn reversal at 115kt (220 km/h), time sec	3
Stall speed power off, flaps up - 6°	48	Stall speed, power on 4000 rpm, flaps up - 6°	44
Stall speed @ 30 degree bank	44	Stall speed, power on 4000 rpm, flaps down	35 33
Stall speed power off, flaps down 55°	36		

Note that ALL boxes must have a value entered in resulting from the test flight

Date 14.04.08

Signature [redacted]

Aircraft Disassembling and Assembling Information

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Aircraft Disassembled
according Flight Design Procedures:

14.04.08

Date

Signature

Stamp

Aircraft Assembled
according Flight Design Procedures:

Date

Signature

Stamp

Aircraft Disassembled
according Flight Design Procedures:

Date

Signature

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Aircraft Assembled
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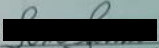
05/24/2008

Aircraft TT: 1.9Time in Service: 1.9**Flight Design CTLS**

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YEAR:
DATETOTAL
TIME IN
SERVICE

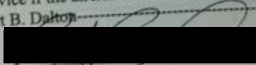
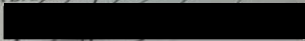
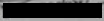
All applicable AD's checked through Bi-Weekly (2008-10). This aircraft is a factory-built **Flight Design GMBH**, model **CTLS**, **N930SA**, SN **08-02-05**. This aircraft has been assembled and inspected per the manufacture's specifications and manual ((by a manufacture's authorized agent(Airtime Aviation Inc.)) and was determined to be in a condition for safe operation and suitable for flight.

Approved
by
Tom Gutmann (President of Airtime Aviation Inc.)(Mfg. Rep.)

05/24/2008

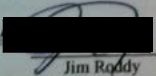
Aircraft TT: 1.9Time in Service: 1.9

I have inspected this aircraft and found that (MFG) Flight Design GMBH, (Model) CTLS, (Serial #) 08-02-05, N930SA aircraft complies with the requirements of the certification requested(FAR 21.190). Certificate of Special Airworthiness (8130.7) along with Operating Limitations were issued this date (05/24/2008) with unlimited expiration. The next inspection is due 05/31/2009 or 101.9 Time in Service if the aircraft is used for compensation or hire.

Bart B. Dalton

DAR 

Description of Inspections, Tests and Alterations

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YEAR: DATE	TOTAL TIME IN SERVICE	WO No.	Records	Approved by
05/24/2008	1.9		BI-ANNUAL CERTIFICATION I certify that the Static System tests required by §23.1325 (b)(2)(i) and Altitude Reporting & Transponder tests required by § 91.413, have been performed to <u>15,000</u> ft and found to comply with § 43, Appendix F. Altimeter: Model <u>-----N/A-----</u> S/N <u>-----N/A-----</u> Transponder: Model <u>GARMIN GTX327</u> S/N <u>83731014</u> Encoder: Model <u>DYNON D100</u> S/N <u>3430</u> Certified By:  AIRCRAFT ANNU AIRMAN ACRES Collinsville, OK  Jim Roddy A&P 05/24/2008 Date N9305A TACH 1.9	

Description of Inspections, Tests and Alterations

TOTAL
TIME IN
SERVICE

Records

Approved
by

8/8-22-2008

118.6

I certify that this aircraft has been inspected on 8-22-2008 in accordance with the Manufacturers Maintenance and 100 hour inspection procedures, and was found to be in a condition for safe operation. time in service 100 hours inspection

Mark Miller [redacted] A/P [redacted]

10/15/08

165.3

165.3

CHANGED RT. MAIN TIRE WITH ORIGINAL
MANUFACTOR EQUIPMENT 14X4 SAWA
CHANGED INTER TUBE W/ 400 X 60
[REDACTED] - [REDACTED] ATP, CFI

Description of Inspections, Tests and Alterations

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Approved
by

YEAR: DATE	TOTAL TIME IN SERVICE	WO No.	Records	Approved by
12-30-2008	218.4	218.4	I certify that this aircraft aircraft has been inspected on 12-30-2008 in accordance with the manufacturer's maintenance and 100 hour inspection procedures, and was found to be in a condition for safe operation at ^{218.4} time in service 100 hour inspection No ADs Mark Miller [REDACTED] ATP [REDACTED]	
2-18-2009	268.5	268.5	REMOVE AND REPLACE AIRCRAFT BATTERY WITH ODYSSEY PC310. [REDACTED] - [REDACTED] ATP, CFI	

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Description of Inspections, Tests and Alterations

YEAR:

DATE

N930SA S/N 08.02.05 Date 05/07/2009.

Aircraft Dynon Hobbs. 296.0 ELT Battery due 03/2014.

Transponder due 05/2010 BRS Rocket no use date 03/2020.

Parachute no use date 03/2014. Open aircraft for annual conditional inspection. Checked tires and wheels, Lubricated controls, pulleys,

and bell cranks as necessary. Inspected fuel strainers, propeller/spinner, engine compartment, fuel system, Landing gear

& airframe. Functional checked aircraft electrical system. Installed new tail skid. Installed new metal Fuel filter P/N C9997814H,

Installed new fuel pressure sensor. Torqued engine mounts. Inspected ELT Per FAR 91.207. Aircraft run check OK.

I certify that this aircraft has been inspected on 05/07/2009 in accordance with the manufacturer's maintenance and inspection procedures, and was found to be in a condition for safe operation.

Approved
by

A&P

REX JOHNSON

Description of Inspections, Tests and Alterations

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YEAR:
DATE

TOTAL
TIME IN
SERVICE

WO No.

Records

Approved
by

Aug 20, 2009

395.5

Installed new Brake Disc on Right main wheel old one was warped. Installed new Brake Pads on both main wheels. checked brake fluid level OK. Done in accordance with Aircraft maintenance manual. I checked ELT per FAR 91.207. Inspected the Aircraft for 100-hour Inspection. I certify that this aircraft was inspected on Aug 20, 2009 in accordance with the manufacturer's maintenance and 100-hour inspection procedures, and was found to be in a condition for safe operation.

Mark Miller AP

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Description of Inspections, Tests and Alterations

YEAR: DATE	TOTAL TIME IN SERVICE	WO No.	Records	Approved by
2009 3 DEC	499.9		I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED JAW THE MANUFACTURERS MAINTENANCE & 100HR INSPECTION PROCEDURES, and WAS FOUND TO BE in a condition FOR SAFE OPERATION. 499.9 TIME IN SERVICE [REDACTED] KENNETH E. Montgomery, AIP [REDACTED]	
May 6, 2010	592.7		Installed new Throttle/Brake lever main bracket old # A36257 to New # A360621 Flight Desg # KAG010101-01 due to broken Brake lever mount. Removed Wings per 100 hour inspection cleaned and regreased attach points and reinstalled wings. Checked control linkage and deflector speed operation. Done in accordance with manufacturers inspection procedures. Checked ELT operation per FAR 91.207. Cleaned intake fuel filter + Gascolator. Had Bottom tail fin repaired checked and Reinstalled → Continued	

Description of Inspections, Tests and Alterations

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YEAR: DATE	TOTAL TIME IN SERVICE	WO No.	Records	Approved by
May 6, 2010	592.7		← I certify that this aircraft has been inspected in accordance with manufacturer's maintenance manual and Annual/100 hour inspection checklist and was found to be in a condition for safe operation. [REDACTED] Mark Miller A-P [REDACTED]	
Sep 21, 2010	667.5		Installed oil pressure gauge and run reading 55-60 psi installed detrital ground wire from engine case to GRN pin 16 on Dynon EMS D120. Installed new Roylex Oil Pressure Sensor PN 956357 Ran check against gauge with in 5 psi 50-55 psi reading. Test Flew for temps. Temps normal and no fuel fluctuation [REDACTED] Mark Miller A-P [REDACTED]	

Airworthiness Directives, Safety Alerts, Service Bulletins
Listing of Compliance and Method of Compliance

YEAR: DATE	A.D.(S.A., S.B.) Number	TOTAL TIME IN SERVICE	Method of Compliance	Implemented by
23 Sep 2010		692.9	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IAW THE MAINTENANCE 100 HR INSPECTION PROCEDURES. AIRCRAFT WAS FOUND TO BE IN A CONDITION SAFE FOR FLIGHT. AD [REDACTED] [REDACTED] KENNETH E. MONTGOMERY	
27 JAN 2011		792.6	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IAW MAINTENANCE 100 HR INSPECTION PROCEDURES, AIRCRAFT WAS FOUND TO BE IN A CONDITION SAFE FOR FLIGHT. [REDACTED] KENNETH E. MONTGOMERY AD [REDACTED]	
2 JUN 2011		870.2	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IAW MAINTENANCE 100 HR/ANNUAL INSPECTION REQUIREMENTS. CHECKED	

Airworthiness Directives, Safety Alerts, Service Bulletins
Listing of Compliance and Method of Compliance

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YEAR: DATE	A.D.(S.A., S.B.) Number	TOTAL TIME IN SERVICE	Method of Compliance	Implemented by
25W11		870.2	Cont: Checked ETT operation per FAR 91.207 Checked fuel filter and changed gas strainer aircraft Up to Found to be in a condition for safe operation	
7/25/01		977.2	Kenneth E. Montgomery SportairUSA.LC Flight Design CTLS 08-02-05 N9305A Airframe Logbook Entry 9-23-2011 Hobbs Time 977.2 -Removed Nueuform Propeller on 8-22-11 to send back for 1000 hour inspection -Removed Rotax Gearbox #38120 on 8-25-11 for 1000 hour inspection sent to South MS Light Aircraft for inspection. "Complied Gear Box 1000 hour inspection as Per Rotax heavy maintenance Manual. Disassembled Slipper Clutch and set. Cont: Break away on Clutch set at 500 foot pounds. Changed spring washer, Spaced and Keepers. Reshimmed to Maximum Shim. All work done as per Rotax Heavy Maintenance manual. Ronald L. Smith A and P #3159603 -Reinstalled inspected gearbox per Rotax heavy Maintenance manual Checked gearbox friction torque 30 foot pounds within limits -Reinstalled Nueuform Propeller with new bolt hardware reset back to 23.5 degree pitch and torque and test ran. Torque check should be done again after two flight hours. SportairUSA. LC Maintenance Director, Mark Miller <i>AP</i>	

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Airworthiness Directives, Safety Alerts, Service Bulletins

Listing of Compliance and Method of Compliance

YEAR: DATE	A.D.(S.A., S.B.) Number	TOTAL TIME IN SERVICE	Method of Compliance	Implemented by
2 DEC 11		1025	Q/W SERVICE INSTRUCTION ^{JAW} SI-ASTM-CTLS-07 R0 REPAIR + REINFORCE MAIN LANDING GEAR FIXATION AREA [REDACTED] Kenneth E. Montgomery HP [REDACTED]	
2 May 12		1097.6	Q CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED JAW FLIGHT DESIGN 100 HR INSPECTION CK LIST. REPLACED BOTH LT+RT DOOR ACTUATORS, BOTH LEFT+RIGHT DISK BRAKES. AIRCRAFT WAS FOUND TO BE IN A CONDITION SAFE FOR FLIGHT. [REDACTED] KENNETH E. MONTGOMERY HP [REDACTED]	