



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer Rotax Model 582 Bluehead
Serial # 5589597 Type Certificate _____

This engine is currently installed in aircraft: Sport Copter - Vortex

Minimum Octane Fuel 91 Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap 1.020"

Manufacturer's Recommended Overhaul at 300 hours

Registered Owner Record

Name _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____

William Jensen

Hidden Valley Lake, CA 95467

Address _____

From _____

Address _____

From _____

Address _____

From _____

Address _____

From _____

Address _____

From _____

Address _____

From _____

To _____

To _____

To _____

To _____

To _____

To _____

11/02/2021

10.2) Maintenance Schedule

The following maintenance is planned and necessary for ROTAX 447 UL SCDI, 503 UL DCDI, 582 UL DCDI and 582 UL DCDI mod. 99:

Checks and work	2 h	10 h	12,5 h	25 h	50 h	75 h	100 h	125 h	150 h	175 h	200 h	225 h	250 h	275 h	300 h	chapter	signature
1 Ground run				X												11.1	
2 Level check of liquids	X															11.2	
3 Retorque cylinder head nuts 1)	X															11.3	
4 Retorque exhaust manifold screws 1)	X	X														11.4	
5 Check rewind starter rope 10)			X													11.5	
6 Check electric starter gear					X		X		X		X		X			11.6	
7 Inspect spark plugs 10)			X													11.7	
8 Replace spark plugs				X	X	X	X	X	X	X	X	X	X	X		11.8	
9 Check ignition system				X												11.9	
10 Check and clean inside spark plug caps 10)			X													11.10	
11 Checking of V-belt tension		X		X	X	X	X	X	X	X	X	X	X	X		11.11	
12 Lubricate ball joints				X	X	X	X	X	X	X	X	X	X	X		11.12	
13 Replace exhaust muffler springs						X			X			X				11.13	
14 Lubricate control cables 3)				X	X	X	X	X	X	X	X	X	X	X		11.14	
15 Check propeller balance and tracking 2,3)				X	X	X	X	X	X	X	X	X	X	X		11.15	
16 Inspect propeller mounting bolts 3)																11.16	
17 Clean and oil air filter				X	X	X	X	X	X	X	X	X	X	X		11.17	
18 Check fuel filter				X	X	X		X	X	X		X	X	X		11.18	
19 Replace fuel filter							X									11.18	
20 Check carburetor(s) and re-adjust (idle speed, cable tension, ...)	X			X		X		X		X		X		X		11.19	
21 Clean carburetor(s) and check for wear					X		X		X		X		X			11.19	
22 Replace jet needle and needle jet									X							11.20	
23 Check fuel pump (measure fuel pressure)						X			X			X				11.21	
24 Check gearbox oil level				X	X	X		X	X	X		X	X	X		11.22	
25 Replace gearbox oil		X					X				X					11.22	
26 Check and adjust gearbox, preload of springs (type B gearbox)							X				X					11.23	
27 Replace rotary valve lubrication oil							X									11.24	
28 Inspect cylinder head and piston crown 4)					X		X		X		X		X			11.25	
29 Inspect piston rings for free movement 5)					X		X		X		X		X			11.26	
30 Check piston diameter 7)					X 6)		X 6)		X		X 6)		X			11.27	
31 Piston ring: check gap 7,11)					X 6)		X 6)		X		X 6)		X			11.28	
32 Piston ring: check axial clearance (rectang. Ring) 8,12)					X 6)		X 6)		X		X 6)		X			11.28	
33 Check cylinder diameter 7,11)					X 6)		X 6)		X		X 6)		X			11.29	
34 Cylinder: check for roundness 7,11)					X 6)		X 6)		X		X 6)		X			11.29	
35 Replace cylinder head-, cylinder base- and exhaust-gasket 8)					X 6)		X 6)		X		X 6)		X			11.30	
36 Inspect piston pin and bearing									X							11.31	
37 Inspect crankshaft and replace outer seals if necessary									X							11.32	
38 General overhaul of engine 9)														X		11.33	
Checks and work	2 h	10 h	12,5 h	25 h	50 h	75 h	100 h	125 h	150 h	175 h	200 h	225 h	250 h	275 h	300 h		

- and after every replacement of gasket(s)
also after any damage
according to instructions of manufacturer
if carbon layer is more than 0,5 mm thick, decarbonize
if piston ring sticks clean and replace if necessary
if used in very dusty atmosphere
wear limit see Service Information 5 UL 91
- 8) If cylinder has been dismantled
9) To be carried out every five years or every 300 hours whichever comes first contact authorized distributor or service center.
10) To be examined after every 12,5 hours of operation.
11) Necessary only if piston rings are not freely moving

YEAR 20 <u>20</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6/15	29		1 hr	New Spark Plugs 4 NGK 3961 BR8ES 

TOM'S AIRCRAFT ENTERPRISES

4475 Highland Springs Road
 Lakeport, CA. 95453
 (707) 263-9330

Reg: N5172V Make: Rotax 582 S/N: 5589597
 Date: 11-10-2021 TT: 57.0 Hobbs: 85.0

Scope & Detail Inspection

Run compression front check cylinder 78/80, rear cylinder 78/80 I certify that this engine has been inspected on 11/10/2021 in accordance with an Annual Condition Inspection & was found to be in condition for safe operation.


 Chad E. Parlee A&P 

[illegible]