


Engine Record General Information

Manufacturer ROTAX Model 582
Serial 0140712 Type Certificate 1
This engine is currently installed in aircraft N124LP BANS 5-12XL
Minimum Octane Fuel 93 Oct. Oil Grade: Summer 2 Cycle Winter 2 Cycle
Magneto Time 18° Point Setting ±0.05mm Firing Order 1, 2
Spark Plug Gap (.02 in.)
Manufacturer recommended overhaul at 300 hours

YEAR: 2015	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.)
9/26	213.0	0.0		<p>CLW TRANSFERRED TO NEW LOG Book engine TOTAL Time 213.0 Hrs [Redacted] ACP [Redacted]</p>
9/26	213.0	0.0		<p></p> <p>Maintenance / Airworthiness Release</p> <p>Registration: <u>N124LP</u> ACTT: <u>213.0 HRS</u> Hobbs: <u>213.0 HRS</u> Date: <u>9/26/2015</u></p> <p>I certify that this <u>Eng, Prop, Gear Box</u> has been inspected in accordance with an <u>100/HANNUAL</u> inspection & was determined to be in airworthy condition.</p> <p>[Redacted] ACP [Redacted] Signature Certificate Number</p>
100/HANNUAL INSPECTION				
			213.0	

ENGINE MODEL: ROTAX 582 SN# 6140712 SEPT. 26, 2015
 E.T.T.



C/W 100 HOURS INSPECTION AS PER ROTAX MM PAGE 10-2
 PERFORMED BUNUP OIL NO/RAK NOTE AT THIS TIME

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	X	11.8	
9 Check ignition system				X												11.9	
10 Check and clean inside spark plug caps 10)			X													11.10	N/A
11 Checking of V- ball tension		X		X	X	X	X	X	X	X	X	X	X	X	X	11.11	N/A
12 Lubricate ball joints				X	X	X	X	X	X	X	X	X	X	X	X	11.12	
13 Replace exhaust muffler springs				X					X							11.13	
14 Lubricate control cables 3)				X	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	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	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, protect 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	N/A
31 Piston ring: check gap 7,11)					X (6)		X (6)		X		X (6)		X			11.28	N/A
32 Piston ring: check axial clearance (rectang. Ring) 8,12)					X (6)		X (6)		X		X (6)		X			11.28	N/A
33 Check cylinder diameter 7,11)					X (6)		X (6)		X		X (6)		X			11.29	N/A
34 Cylinder: check for roundness 7,11)					X (6)		X (6)		X		X (6)		X			11.29	N/A
35 Replace cylinder head-, cylinder base- and exhaust-gasket 8)					X (6)		X (6)		X		X (6)		X			11.30	N/A
36 Inspect piston pin and bearing										X						11.31	N/A
37 Inspect crankshaft and replace outer seals if necessary										X						11.32	N/A
38 General overhaul of engine 9)															X	11.33	N/A

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- 1) and after every replacement of gasket(s)
- 2) also after any damage
- 3) according to instructions of manufacturer
- 4) if carbon layer is more than 0,5 mm thick, decarbonize
- 5) if piston ring sticks clean and replace if necessary
- 6) if used in very dusty atmosphere
- 7) 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

Effectivity: 447 UL SCDI, 503 UL DCDI, 582 UL DCDI /mod. 99

e00376

KANS 5-12XL
Discrepancy Worksheet

E.T.T. 213.0 hrs SN# 6140712

DISCREPANCY		CORRECTIVE ACTION	
1	Accomplish Replace All SPARK PLUGS	CW R/R ALL SPARK PLUGS AND SECURE AS PER ROTAX MM. PAGE 10-2 PERFORMED RUN UP OK NO LEAK NOTE AT THIS TIME	
			Mechanic Signature [Redacted] License Number [Redacted]
2	Accomplish Retorque Cylinder Head	CW RETORQUE CYLINDER HEAD AND SECURE AS PER ROTAX MM. PAGE 10-2 PERFORMED RUN UP OK NO LEAK NOTE AT THIS TIME	
			Mechanic Signature [Redacted] License Number [Redacted]
3	Accomplish Engine Compression Check Both Cylinder	CW ENGINE COMPRESSION CHECK ON BOTH CYLINDER AND SECURE SPARK PLUGS AS PER ROTAX MM. PAGE 11-4 ALL PARAMETERS WITHIN LIMIT AT THIS TIME	
			Mechanic Signature [Redacted] License Number [Redacted]
4	Accomplish Replace Coolant Solution	CW REMOVED OLD AND SOLUTION CLEAN WITH MINERAL WATER, DROSD SYSTEM AND SPOURED WITH NEW COOLANT 50/50 AND SECURE AS PER ROTAX MM.	
			Mechanic Signature [Redacted] License Number [Redacted]
5	Accomplish Replace Oil from Gear Box B Model	CW R/R OIL FROM GEAR BOX B MODEL AND SECURE PLUG AS PER ROTAX MM. 11.9 PERFORMED OPS CHECK OK NO LEAK NOTE AT THIS TIME	
			Mechanic Signature [Redacted] License Number [Redacted]

Work Order#	Aircraft Registration	Date	Inspection
09262015	N124LP	SEPT. 12 2015	100 Hrs / AN ANNUAL

