

Work Carried Out by Northwest Industries Limited,

Edmonton, on Pratt & Whitney Wasp Engine SLC3G

(R1830-92) Serial No. 42-108483

Time Since New 972.05 hrs.
Time Since Overhaul 477.05 hrs.

1. Removed all rocker box covers.
2. Removed main oil sump.
3. Removed external oil line.
4. Removed induction pipes #8, #9 and #10.
5. Removed rocker box oil sump.
6. Removed No. 9 cylinder, piston and ring assembly.
7. Removed broken Spark Plug (rear plug)
8. Cleaned cylinder and rocker gear.
9. Removed spark plug bushing (rear plug)
10. Removed all rocker gear, seals, valves and valve springs.
11. Installed new spark plug bushing (rear plug)
12. Checked cylinder head for cracks.
13. Fitted new seals and gaskets on rocker arm shaft.
14. Lapped and tested inlet and exhaust, valve and valve seat.
15. Lapped new oil and compression rings in cylinder.
16. Checked cylinder barrel for size, fitted new piston.
17. Assembled inlet and exhaust valve and valve springs.
18. Fitted new seals and gaskets on rocker box sump.
19. Fitted new rocker box cover gaskets.
20. Installed rocker box oil sump with new gasket and oil seals.
21. Installed external oil line with new gaskets and oil seals.
22. Installed No. 9 cylinder, with new oil seal, new piston and ring assembly.
23. Torqued cylinder hold down nuts to 300" lbs.
24. Fitted new pal. nut on cylinder hold down studs.
25. Checked all inlet and exhaust valves for gas tightness.
26. Fitted new oil seals in inlet and exhaust push rod cover tube (No. 9 cylinder).
27. Installed serviceable ignition harness.
28. Installed left magneto No. 1114538.
29. Installed right magneto No. 35507.
30. Traced and numbered all ignition leads.
31. Fitted all ignition lead to magneto blocks.
32. Timed right and left magneto to engine.
33. Checked all inlet and exhaust push rod cover tube nuts for tightness.
34. Locked all head baffle screws after installation of ignition harness.
35. Fitted new propeller cone (rear).
36. Fitted and locked magneto covers and shielding, after installation of distributor blocks.
37. Removed No. 2 cylinder, piston and ring assembly to permit removal of right magneto ignition lead shielding.