

A/C Model: Magni M-24
A/C S/N: 24169824
ENG Model: 914 UL
ENG S/N: 9575643
ENG TTSN: 200.6

GAITROS AVIATION LLC
790 SOUTH AIRPORT ROAD
DECATUR, IL. 62521

07/26/2023
REG #: N782PT
WO #: 0875
TACH: 200.6
AFTT: 200.6

Engine 100 Hour Inspection:

Performed 100 Hour Inspection in Accordance with FAR 43- Appendix D and Rotax 914 Inspection checklist Edition 2 Rev. 0 dated 02-01-2015.
Compression check was low and sent #2 Cylinder into L.E.A.F. for evaluation.
L.E.A.F. Requested all cylinders and heads for a hardness test.
See Logbook Entry dated 06-09-2023 for more information.
Installed the following parts for engine repair.

1. 2 each P/N 413-237 Cylinder Head.
2. 2 each P/N 413-246 Cylinder Head.
3. 4 each P/N 230-810 Valve Stem Seal.
4. 4 each P/N 230-910 Intake O-ring.
5. 4 each P/N 250-510 Cylinder Base O-ring.
6. 16 each P/N 253-092 Valve Cotter.
7. 8 each P/N 842-950 Lock Nut.
8. 8 each P/N 850-930 Push Rod O-ring.
9. 1 each P/N 881-920 Valve Cover O-ring Set.
10. 8 each P/N 922-236 80 Degree Bent Socket.
11. 8 each P/N 924-440 Return Tube.
12. 8 each P/N 940-368 Stud.
13. 16 each P/N 945-831 Lock Washer.
14. 4 each P/N 950-180 Coolant O-ring.
15. 8 each P/N 431-570 Stud Base O-ring.
16. 4 each P/N 922-303 Flange.
17. 8 each P/N 926-210 Shim 16/27.4/1.
18. 8 each P/N 838-156 Valve Spring.
19. 8 each P/N 838-186 Valve Spring Retainer.
20. 4 each P/N 854-193 Rocker Arm Shaft.
21. 4 each P/N 854-383 Rocker Arm Left.
22. 4 each P/N 854-393 Rocker Arm Right.
23. 8 each P/N 933-396 Vespal.
24. 2 each P/N 965-931 Temperature Sensor.
25. 4 each P/N 913-222-1-79.51 Cylinder Type A.
26. 4 each P/N 215-400 Oil Scraper Ring.
27. 4 each P/N 215-420 Tapered Compression Ring.
28. 4 each P/N 215-590 Rectangular Ring.
29. 1 each P/N 825-016 Oil Filter.
30. 3 Liters of Aeroshell Sport Plus 4 Oil.
31. 1 Gallon of Shellzone Dex-Cool 50/50 Pre-Mixed Engine Coolant.
32. 8 each P/N X2\7EPR-U9 Spark Plugs.
33. 1 each P/N F5002 Fuel Filter.
34. Cleaned Oil Tank.
35. Checked Carburetor Balance.

Torqued all Bolts, Nuts and Fasteners during Maintenance Procedure Using the following Snap-On Torque Wrenches

P/N CTECH2FR100A, S/N 1119800302, Control Number GAIT00022, Calibration Due 09/08/2023.

P/N QD2FR75, S/N 0610031316, Control Number GAIT00010, Calibration Due 09/08/2023.

P/N QD1R200, S/N 0510025096, Control Number GAIT00007, Calibration Due 09/08/2023.

Washed Engine. Ran Engine Up 3 Times and checked for leaks. No leaks detected.

Topped off Engine Coolant after Run up. Ops check on Engine Nominal.

I certify that this engine has been inspected in accordance with a 100 Hour Inspection as per Rotax Inspection Checklist and was found to be in a condition for safe operation.

William S. Gaitros

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