



B22AeroPower

B25AeroPower

Lettera di servizio
Service letter
L-002 MANDATORY
New Oil temperature limit

Simbol description

WARNING: Not following this instruction can cause severe personal injury or even death



CAUTION: Ignoring this instruction could cause severe damage to the engine and the sudden loss of power.



NOTE: Refer to supplementary information necessary to execute or better understand an instruction

1) Planning information**1.1) Engine affected**

All B22 Aeropower and B25 Aeropower series of engines

1.2) Concurrence of L/S or X

None

1.3) Reason

Owing to the observation of abnormal wearing on an engine that has run with high oil temperature.

1.4) Subject

Modification of the engine oil temperature range and other activities to be done to keep the oil temperature within the new limit.

1.5) Compliance

For all engines the new oil temperature limit is 110 °C. If the oil temperature exceeds this limit the following are possible solutions:

- Use an oil radiator (the RO-m is available)
- Use an oil with the specification SAE 15W50 or SAE 20W60.
- Increase the level of oil by 1.5 liters for a total amount of 4.3 liters

In any case it is mandatory for all engines (even if the engine oil has never exceeded the new engine oil limit):

- **Oil chemical analysis at 20 hours.**

The problem has been aggravated by the fact that the oil gauge used on the aircraft was not correctly calibrated. For that reason MWfly strongly recommends the use of the EM-s or another EMS with CAN aerospace protocol input. If that is not possible you must to be sure that your oil and water temperature gauges are correctly calibrated.



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1.6) Manpower

Estimated man-hours:

The estimated time to install the RO-m is 45min.

1.7) Mass data

Change of weight – 1.45 Kg (not including additional oil)

Moment of inertia---unaffected

1.8) Electrical load data

No change

1.9) Software accomplishment summary

No change

1.10) Other publication affected

Manual A, Manual B

1.11) Interchangeability of the parts

None affected

2) Material information**2.1) Material - cost availability****a) RO-m**

For the RO-m contact your closest MWFLY Authorized Service Center.

b) Chemical analysis

The chemical analysis is free for all clients that used Synavio ME 40 or ME 60 oil otherwise the cost is 40 Euro or 50 USD. You should collect a sample of 100cc of oil and send it to MWfly srl, Via Trento, 33 20017 Rho (MI) ITALY.

With the sample of oil you should include the following information:

- Engine number
- Engine hours
- Oil hours
- Type of oil

3) Accomplishment/instruction**Accomplishment**

The installation of the RO-m should be performed in accordance with RO-m instruction and Manual B and Manual C.



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Approval of translation to best knowledge and judgment – regardless, the original text in Italian and the metrics (SI System) are authoritative.