



# LOM PRAGUE

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CZECH REPUBLIC

## INFORMATION BULLETIN

M137A/16b  
M137AZ/9b  
M337/78b  
M337A/11b  
M337AK/6b

**Regarding:** Increasing the time between overhauls (TBO) by 200 flight hours to the first overhaul and second overhaul for the following engines: M137A, M137AZ, M337, M337A and M337AK, which had their TBO prolonged as per Information bulletin No. M137A/15b, M137AZ/8b, M337/76b, M337A/10b and M337AK/5b (from 800 flight hours to 1000 flight hours, and respectively from 1000 flight hours to 1200 flight hours)

The increases were performed in this manner:

1. The previous increase in TBO from 1000 flight hours to 1200 flight hours when using aviation mineral oil MS-20 with specification GOST 21743-76.
2. The previous increase in TBO from 1200 flight hours to 1400 flight hours when using additive aviation oils with specification MIL-L-22851D (for example Aero Shell Oil W 100, ELF Aviation Oil AD 100, Total Aero D 100).

To further increase the TBO according to this information bulletin the engines must meet the following requirement:

- new manufacture, built till June 30, 1991;
- or overhauled by the following facilities: CSA Praha Ruzyně, LOM Praha, or a facility authorised by LOM Praha.

**Caution:**

The increase in TBO's were done under the following guidelines:

- experience gained from flight operations and experience gained from performing overhauls
- experience gained from the disassembly of selected engines during a 150 hours inspection for FAR certification
- experience gained during test cell operation such that test engines accumulated 1200 hours without any technical difficulties.

In order to prolong the TBO to the first overhaul and to the second overhaul from 1000 flight hours to 1200 flight hours and from 1200 flight hours to 1400 flight hours the following conditions have to be met:

- a) the motor attained 1000 and 1200 flight hours respectively without any engines failures or any other serious problems;
- b) before the final decision whether to return the engines back to service an inspection of at least 50 hours must be performed according to current regulations for the given type engine;
- c) a throughout inspection was performed on the motor according to LOM Praha technical standards;

d) between the time of manufacture or overhaul to the depletion of the TBO only operation and maintenance were performed to standards set by CSA and LOM Praha, these standards include all pertinent manuals and applicable services bulletins.

Warning:

Increasing the TBO past 1200 flight hours to first overhaul, and further overhauls can be performed on the following engines:  
M337A S.N. 734420, 734444, 744477, 744478, 772550, 772551, 774552  
M337AK S.N. 803624, 804635, 842860, 844885 and 871949,  
of which the overhaul period was increased past 1100 flight hours in accordance with SLI regulations.

Note:

Confirmation of prolonging the TBO beyond 1200 flight hours shall be entered in the aircraft's engine log book by a person authorised by LOM Praha.

Caution:

The owner of the engine shall perform 50 hours inspection him/herself and make the appropriate entry in the log book.  
The owner must make a request to extend TBO to LOM Praha and a representative of LOM Praha will perform the necessary action as per LOM Praha technical documentation.

Material:

The material needed during the course of the 50 hours inspection will be provided by the owner. To ensure safety all work must be done in accordance with LOM Praha technical documentation and pertinent information bulletins.

Costs:

All costs incurred will be covered by the owner.

Terms:

Upon receiving the pertinent service bulletin and the owner setting a date with LOM Praha.

Validity:

Dated of issue

Prague, May 12, 1995

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Head of engine manufacturing

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