



LOM PRAHA
s.p.

DPM
PRAGUE

TISKAŘSKÁ 8, 100 38 PRAHA 10, CZECH REPUBLIC

MANDATORY BULLETIN No.: M 462 RF / 51a

- Applicability:* Change of the lifetime of M462RF aircraft engines from current 4000 flight hours to unlimited lifetime. Only the total lifetime of the main rod, drawing No.: 14-306-100, remains limited to 3500+50 hours. Number of flight hours of the main rod is recorded within general overhaul of the engine onto the piston rod and into the records about general overhaul.
- Reason:* From the start of the flight operation of M462RF engines, design and technological changes have been done successively on the main parts, significantly and provably increasing the operational reliability of M462RF engines. M462 RF engines of the inspection program have exceeded the originally defined lifetime of 4000 hours without severer malfunctions. Parts are replaced continuously during the general overhaul.
- Action:*
1. It is possible to send the M462RF engines with total operational hours higher than 4000 to the general overhaul.
 2. M 462 RF engines, achieving during operation, after the last general overhaul, the total operating period of 4000 hours and the user is interested in continuing the operation, are subject to the following procedure:
 - a) Send a query concerning the possibility of continuing the operation above the originally prescribed lifetime of 4000 hours and above the originally stated lower operating period (TBO) lower than 500 hours, with the assumption of increase up to 750 hours. Operation exceeding 4000 hours shall be approved by M462 RF engine Design organization, except for the cases when a new record is written in the engine log book (see note 2 at the end of this bulletin.)
 - b) When 450 to 500 hours from GO are achieved, carry out the partial inspection and check of the engine technical condition under the instruction TI-T37-12-34 and under the information bulletin M 462 RF/32b valid for prolongation of the operating period up to 750 hours from GO, resp. No. M 462 RF/35b for prolongation to 650 hours from GO. Inspect carefully the technical condition of the gearing in the gear box under the mandatory bulletin No.: M 462 RF/42a and for the pitting on teeth of
 - drive pinion with pinion shaft Drw.No.:14-711-74;
 - pinion Drw.No.:14-911-023;
 - two pieces of pinion Drw.No.: 10-11-03.
 - c) Check the record in the engine log book for implementation of the bulletin No.: M 462 RF/48a (original issue from 28.5.1997) if this bulletin covered the engine in time of its issue, resp. M 462 RF/48a/R1 (revised edition).

*Contact
address:*

Send the queries in advance by e-mail to the address piston.engines@lompraha.cz, or to fax No.: +420296505267.

Queries concerning the possibility of further operation of the engine should be sent by letter signed by the user or his representative and dated. We recommend to send a scanned letter by e-mail or by fax.

Other requirement: Indicate the type of engine and serial number, date of the last GO, the number of hours since the last GO, total number of hours, specific requirements, contact person, contact address.

The query will be received by the M 462 RF Design organization. It will verify the data sent and the total number of hours of the main rod in the record of the last GO, and it will send the decision to the user (scanned letter by e-mail, or fax).

Note 1: In the past was, a principle was adopted that the main rod used for general overhaul of M 462 RF engine cover, with its lifetime, at least 750 hours for the expected extension of the operating period of the M462RF engine to 750 hours.

Note 2: Since 28. 4. 2009, following the GO, the repairer has established the following record in the M 462 RF engine log book:
"When 450 to 500 hours are achieved, the engine operating period may be extended up to 750 hours under applicable bulletins and technical instructions. Upon reaching the operating period of 750 hours, the lifetime of the main rod Drw. No. 14-306-100 shall not be exceeded."
If this entry appears in the engine log book, there is no need to send an inquiry under section 2a) of this bulletin.

Caution: By issuing this bulletin the validity of mandatory bulletin No.: M 462 RF/44a is cancelled.

Costs covered by: Not applicable.

Validity: As of the date of issue.

In Prague dated: 28. 5. 2009 Approved under the authority of the DOA No.: EASA.21J.306.

Approved by: Ing. Petr Prokop, MBA, in his own hand
Executive Manager of Design Organization