



SERVICE BULLETIN

IT IS NECESSARY TO CARRY OUT !

No. M 462-RF/4

Number of pages : 2

COVERS : Extension of Type M 462-RF engine service life to major overhaul to 500 hours.

REASON : Based on long-term tests of M 462-RF engines, serial Nos. 019 and 64047 and results of test evaluations.

MEASURES : The extension of service life to major overhaul applies to Type M 462-RF aircraft engines which satisfy the following requirements :

1. They are equipped with Type MN-14 B oil pumps, i.e. such as are equipped with a reconstructed oil pump driven spindle or such equipped with a Type MN-14 A/A oil pump, i.e. such equipped with a Type MN-14 A oil pump whose oil pump spindle has been replaced and which are equipped with a new cog wheel (M462-RF-0673 and drawing No. M-462-RF-0672).
2. It must be provable, that engine have been from the beginning fuelled only with non-ethylized fuel BL-78 according to specifications of ČSN 65 6510 or with aircraft petrol having a minimum octane number 78 (engine test method) not containing more than 0.6 cu.cm. lead tetraethyl per liter (i.e. 1.4 grams per kilogram or 0.06 percent by volume).
3. It is necessary that all operators observe safe operation of the compressor impeller wheel drive clutch. The pilot and the mechanic are required to carry out, when commencing each flying day, the test of the filling pressure stability in parallel with the engine test. For this purpose keep the engine for 15 seconds at take-off regime and return the gas lever quickly to idling and back to full gas. Observe during the next twenty seconds the filling pressure gauge, and check for possible gradual or permanent pressure drop. Any instability of the filling pressure gauge reading is a symptom of a defect. The pressure may gradually drop, or drop and consecutively rise and fluctuate. If such defect is ascertained by the pilot or the mechanic and

the defect cannot be removed, even by careful washing of the air filter, the aircraft must be grounded and the defect reported immediately to the supplier.

With Type M 462-RF engines whose service life to major overhaul has been extended to 500 hours a Soviet certificate for the new oil pumps MN-14 B or a corrected certificate for the Type MN-14 A oil pump in which a record about the replacement of the details listed in Paragraph 1 has been entered must be attached to the engine log. After the details have been exchanged the oil pump and the log are marked MN-14 A/A. After building-in the Type MN-14 B or MN-14 A/A oil pump, enter the service life to major overhaul of 500 hours in the engine log. The service life of Type M 462-RF engines not satisfying the requirements stated in Paragraphs 1 and 2 of this Bulletin will have the service life to major overhaul of 300 hours as specified in Technical Delivery Terms.

This Bulletin supplements the technical description and the service manual for the Type M 462-RF aircraft engine.

TO BE CARRIED OUT : During aircraft operation

TO BE CARRIED OUT BY : Paragraph 1 - the aircraft supplier.
Paragraphs 2 and 3 - Engine operator.

MATERIAL : -

COSTS ARE COVERED BY : the aircraft supplier.

VALIDITY OF BULLETIN : From the day of reception of the present bulletin.

Letňany, July 17, 1967.

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