

MANDATORY SERVICE BULLETIN

DATE: February 20, 2009 Service Bulletin No. 471B
(Supersedes Service Bulletin No. 471A)
FAA DER Approved

SUBJECT: Lycoming Engines Oil Additive P/N LW-16702

MODELS AFFECTED: Lycoming TIO-541-and TIGO-541 series engines.

TIME OF COMPLIANCE: At initial oil fill and every oil change thereafter.

Lycoming Engines considers use of oil additive P/N LW-16702 to be essential in TIO-541 and TIGO-541 series engines.

Original approval of the oil additive was released in 1981 to the field in the form of Service Instruction No. 1409. We believe that some operators may not realize the importance of the use of this additive.

The additive contains an anti-scuffing agent. Laboratory tests indicate that occasionally when an engine is first started, particularly if the engine has not been used for an extended period, during cold weather, for a very brief interval there is insufficient residual oil between moving parts; this can reduce the service life of components. The additive helps to maintain a film of lubricant to help protect the engine during the initial start-up.

The additive must be consistently used at each oil change. A period of non-use can initiate distress which will not be cured by later use of the additive. Its use is essential in new, rebuilt and overhauled engines.

Use oil additive, as shown in the following chart:

Two (2) 6 ounce cans per 12-15 quart sump.

Three (3) 6 ounce cans per 17-19 quart sump.

Four (4) 6 ounce cans per 23 quart sump.

This oil additive may be purchased through authorized Lycoming Distributors.

NOTE

Do not use more additive than recommended above. If it is determined that the FAA approved lubricating oil being used contains, in the proper amount, an oil additive equivalent to LW-16702, the provisions of this Service Bulletin are being met. See latest revision of SAIB (Special Airworthiness Information Bulletin) NE-06-31 for approved additized oils, available at <http://rgl.faa.gov/>



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