

# MANDATORY SERVICE BULLETIN

DATE: July 18, 2008  
Service Bulletin No. 446E  
(Supersedes Service Bulletin No. 446D)  
Engineering Aspects are  
FAA DER Approved

SUBJECT: The Use of Lycoming LW-16702 Oil Additive

MODELS AFFECTED: Lycoming O-320-H, O-360-E, LO-360-E, TO-360-E and LTO-360-E series engines.

TIME OF COMPLIANCE: At next engine oil change and at every 50 hours and at every oil change thereafter.

Laboratory tests indicate that occasionally when the engine is first started, for a very brief interval there is insufficient residual oil between the rubbing parts which affects the service life of components. Lycoming has evaluated an agent which, when added to the normal oil supply, deters scuffing under these conditions.

The oil additive LW-16702, which Lycoming considered essential for good engine operation, can be purchased through Lycoming Engines and authorized Lycoming distributors.

At the next oil change add one 6 ounce can of LW-16702.

## 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/>

NOTE: Revision "E" revises TIME OF COMPLIANCE, 2<sup>nd</sup> paragraph, and NOTE.



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