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SERVICE INSTRUCTION

DATE: February 20, 2009

Service Instruction No. 1409C
(Supersedes Service Instruction No. 1409B)
Engineering Aspects are
FAA DER Approved

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

MODELS AFFECTED: All Lycoming piston aircraft engines except for installations that utilize a friction type clutch and a common engine oil system for the transmission and clutch assembly. Check with airframe manufacturer prior to use in these installations.

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

Lycoming Engines has approved an oil additive, P/N LW-16702, that has an anti-scuffing agent. This characteristic serves to reduce wear. For engines already in service, the use of the additive may be started at the next oil change. Use oil additive, as shown in the following chart.

- Use (one) 6 ounce can (P/N LW-16702) per 6-8 quart sump.
- Use (two) 6 ounce cans (P/N LW-16702) per 12-15 quart sump.
- Use (three) 6 ounce cans (P/N LW-16702) per 17-19 quart sump.
- Use (four) 6 ounce cans (P/N LW-16702) 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 Instruction are being met. See latest revision of FAA SAIB (Special Airworthiness Information Bulletin) NE-06-31 for approved additized oils, available at <http://rgl.faa.gov/>



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