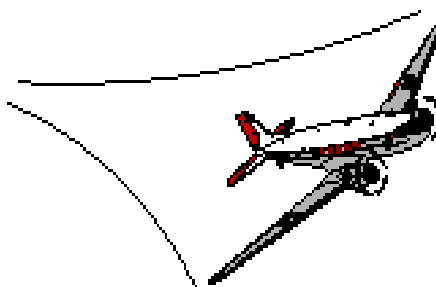


SPECIAL AIRWORTHINESS INFORMATION BULLETIN



U.S. Department
of Transportation
**Federal Aviation
Administration**



No. NE-00-22
May 23, 2000

REGULATORY SUPPORT DIVISION
P.O. BOX 26460
OKLAHOMA CITY, OKLAHOMA 73125-0460

SAIB's are posted on the internet at <http://av-info.faa.gov>

This is issued for informational purposes only and any recommendation for corrective action is not mandatory.

Introduction:

The purpose of the Special Airworthiness Information Bulletin (SAIB) is to alert the owners/operators of Textron Lycoming O-320-H, O-360-E, LO-360-E, TO-360-E, LTO-360-E series engines of the following approval of an alternative method of compliance (AMOC) to the requirements of Airworthiness Directive (AD) 80-04-03 R2.

The FAA has determined that the anti-wear additive contained in Exxon Aviation Oil Elite 20W-50 is the same as Textron Lycoming additive LW-16702 and therefore meets the requirements of Textron Lycoming Service Bulletin 446B, 446C, and 446D. Engine oil change to Exxon Aviation Oil Elite 20W-50 is approved by the FAA as an alternative method of compliance to the requirements of AD 80-04-03 R2, paragraph b.1, with the limitations described below.

Background:

As stated above, this oil contains an additive that is identical to Textron Lycoming additive LW-16702, which is required to be added to certain O-360 engine models at each 50 hour oil service interval by AD 80-04-03 R2. The FAA has determined that the use of Exxon Aviation Oil Elite 20W-50 provides the necessary anti-wear protection at engine start-up and therefore satisfies the intent of the AD. Exxon Aviation Oil Elite 20W-50 joins two other additized aviation oils that have been approved for alternate methods of compliance to AD 80-04-03R2. All three approved additized oils are listed below:

Additized Oil	Date of AMOC Approval
Aeroshell Oil W 15W-50	November 9, 1987
Aeroshell Oil W 100 Plus	May 4, 1999
Exxon Aviation Oil Elite 20W-50	January 24, 2000

Recommendations:

The FAA has determined that the anti-wear additive contained in Exxon Aviation Oil Elite 20W-50 and in the two previously approved additized oils is the same as Lycoming additive LW-16702 and therefore meets the requirements of Textron Lycoming Service Bulletin 446B, 446C, and 446D. Engine oil change to Exxon Aviation Oil Elite 20W-50, or either of the other two previously approved additized oils is approved as an alternative method of compliance to the requirements of AD 80-04-03 R2, paragraph b.1.

Use of this alternative method of compliance is not mandatory, however, if the owner/operator elects to use Exxon

Aviation Oil Elite 20W-50, or either of the other two previously approved additized oils when complying with AD 80-04-03 R2, the following limitations are applicable:

- If the owner/operator elects to use an approved additized oil at the 50 hour oil service interval, the same brand and formula additized oil is also required for any make-up oil additions performed during the service interval.
- If the same brand and formula approved additized oil is unavailable for make-up, a maximum of 2 quarts of an alternative oil can be added between 50 hour oil service intervals.
- If more than 2 quarts of an alternative oil is added during the 50 hour oil service interval, the owner/operator is required to add Textron Lycoming additive LW-16702.
- If the oil service interval is extended beyond 50 hours, the owner/operator is required to add Textron Lycoming additive LW-16702 at 50 hours to maintain compliance with the AD.

Each can of the additized oil should be marked with a statement that identifies it as having been approved as an alternate method of compliance to the requirements of AD 80-04-03 R2, paragraph b.1.

For Further Information Contact:

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