Single Engine

Service Bulletin

January 18, 1999

TITLE
ENGINE PISTON PIN PLUG WEAR INSPECTION

EFFECTIVITY

<table>
<thead>
<tr>
<th>Models</th>
<th>Serial Numbers</th>
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<tbody>
<tr>
<td>172R</td>
<td>17280001 and On</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 and On</td>
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<tr>
<td>182S</td>
<td>18280001 and On</td>
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<tr>
<td>206H</td>
<td>20608001 and On</td>
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<td>T206H</td>
<td>T20608001 and On</td>
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REASON
To transmit Textron Lycoming Service Instruction No. 1492A. According to Lycoming, "Field reports indicate an increase in incidents of abnormally worn piston pin plugs in some units shipped after January 1, 1994. Evidence of such wear can be detected by use of an oil filter content inspection or spectrographic oil analysis."

DESCRIPTION
Inspect for piston pin plug wear as specified in Textron Lycoming Service Instruction No. 1492A (or latest revision). Non-compliance with this inspection may allow undetected premature deterioration of the piston pin plugs which could result in partial and/or complete loss of engine power.

COMPLIANCE
Recommended: should be accomplished at next oil change/oil filter replacement, not to exceed 50 hours of engine operation (25 hours for new, remanufactured, or newly overhauled engines) and at each 50 hours of operation thereafter as specified in Textron Lycoming Service information No. 1492A (or latest revision).
APPROVAL
Refer to Textron Lycoming Service information No. 1492A (or latest revision).

MANPOWER
Not determined

REFERENCES
Textron Lycoming Service Instruction No. 1492A (or latest revision)
Textron Lycoming Service Letter No. L171 (or latest revision)
Model 172R SKYHAWK Illustrated Parts Catalog
Model 182S SKYLANE Illustrated Parts Catalog
Model 206/T206 Illustrated Parts Catalog

NOTE: Ensure all publications used are complete and current.

MATERIAL PRICE AND AVAILABILITY
Not applicable

CREDIT INFORMATION
Not applicable

ACCOMPLISHMENT INSTRUCTIONS
Refer to the attached Textron Lycoming Service Instruction No. 1492A (or latest revision).

NOTE: The telephone number listed for Textron Lycoming (570) 323-6181 is a new area code listing which is scheduled to become effective on January 8, 1999. In the event the new area code (570) does not work it may be necessary to use the previous area code (717).
OWNER NOTIFICATION

On January 18, 1999 the following Owner Advisory message will be sent to applicable owners of record in SB99-71-01A.

Dear Cessna Owner:

This message is to provide notification that your airplane engine is affected by Textron Lycoming Service Instruction No. 1492A (or latest revision) Piston Pin Plug Wear Inspection.

According to Lycoming, "Field reports indicate an increase in incidents of abnormally worn piston pin plugs in some units shipped after January 1, 1994. Evidence of such wear can be detected by use of an oil filter content inspection or spectrographic oil analysis."

Inspect for piston pin plug wear as specified in Textron Lycoming Service Instruction No. 1492A (or latest revision). Non-compliance with this inspection may allow undetected premature deterioration of the piston pin plugs which could result in partial and/or complete loss of engine power.

Compliance is recommended, should be accomplished at next oil change/oil filter replacement, not to exceed 50 hours of engine operation (25 hours for new, remanufactured, or newly overhauled engines) and at each 50 hours of operation thereafter as specified in Textron Lycoming Service information No. 1492A (or latest revision).

Please contact a Cessna Single Engine Service Station for detailed information and make arrangements to have Cessna Service Bulletin SB99-71-01/Textron Lycoming Service Instruction No. 1492A (or latest revision) accomplished on your airplane.

* * * * * * * * *
DATE: December 30, 1998

SUBJECT: Piston Pin Plug Wear Inspection

MODELS AFFECTED: All Textron Lycoming new or factory remanufactured or factory overhauled engines shipped from Textron Lycoming after January 1, 1994, and all engines which have had a Textron Lycoming Cylinder Kit installed after January 1, 1994.

TIME OF COMPLIANCE: At next oil change/oil filter replacement, not to exceed 50 hours of engine operation (25 hours for new, remanufactured, or newly overhauled engines) and at each 50 hours of operation thereafter.

Field reports indicate an increase in incidents of abnormally worn piston pin plugs in some units shipped after January 1, 1994. Evidence of such wear can be detected by use of an oil filter content inspection or spectrographic oil analysis.

Oil Filter Content Inspection:

1. Using approved method (e.g., for full flow, spin-on filters, use Champion Tool CT-470) open the filter.
2. Check the condition of the oil from the filter. Inspect for a high concentration of aluminum in the oil, indicated by a shining, metallic residue.
3. Remove the paper element from the filter.
4. Carefully unfold the paper element and examine the material trapped in the filter.
5. When performing the regular filter inspection, check for premature or excessive wear of piston pin plugs, indicated by the presence of metal particles, shavings, or flakes.
6. If examination of the used oil filter indicates abnormal aluminum or iron content contact a technical representative of Textron Lycoming Product Support Department at (570) 323–6181.

Spectrographic Oil Analysis:

NOTE

Textron Lycoming encourages the use of spectrograph oil analysis to monitor engine component wear rates. Refer to the latest edition of Service Letter No. L171.

1. In accordance with the latest edition of Textron Lycoming Service Letter No. L171, collect an oil sample and submit it for analysis by a qualified facility.

2. If analysis indicates high aluminum or iron content, or if subsequent analyses show a trend toward aluminum or iron content, contact a technical representative of the Textron Lycoming Product Support Department.