AG-MI-2013-12-B-EN – Replacement of Oil Sump Hose

EFFECTIVE DATE
19.09.2013

SUPERSEDES/REPLACES
N/A (initial issue)

APPLICABILITY
Calidus serial numbers up to and including C00283 (excluding C00282) and Cavalon serial numbers up to and including V00018 equipped with rubber ‘oil hose engine sump’

COMPLIANCE
To be performed within next maintenance, at latest within the next 10 flight hours.

BACKGROUND
Deregulation of lifetime limitation for the respective component

RISK OF NEGLECT
Failure to comply with this instruction/information will result in
- possible damage to the aircraft (e.g. major engine failure)
- loss of related warranty

SCOPE OF WORK
Inspect the configuration state of 'oil hose engine sump' and replace with steel braided hose if necessary

AFFECTED AREAS
N/A

SPECIAL TOOLS & CONSUMABLE MATERIALS
N/A

PARTS

<table>
<thead>
<tr>
<th>Type</th>
<th>Engine</th>
<th>Part</th>
<th>Type Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calidus</td>
<td>Rotax 912 ULS</td>
<td>Oil hose engine sump 912</td>
<td>C.OL201</td>
</tr>
<tr>
<td></td>
<td>Rotax 914 UL</td>
<td>Oil hose engine sump 914</td>
<td>C.OL301</td>
</tr>
<tr>
<td>Cavalon</td>
<td>Rotax 912 ULS and 914 UL</td>
<td>Feeding Pipe Oil Sump</td>
<td>V.OL10.02</td>
</tr>
</tbody>
</table>

LABOR AND REQUIREMENTS
To inspect 0,1 h
To accomplish 0,5 h
Task may only be performed by an organization or individual trained and entitled to do 'Line Maintenance' or the aircraft holder.

SUPPORT POLICY
N/A
REFERENCES
Manufacturer Maintenance Manual – 52-00-00 4-1 Removal-Installation: Cowlings
Pilots Operating Handbook in latest revision

DOCUMENTATION
The accomplishment of this Manufacturer Information, or the decision of its rejection, must be properly documented, if such procedure is required by the relevant authority.

Warnings Caution and Notes
This instruction uses WARNINGs, CAUTIONs and NOTEs in bold italic letters to indicate especially critical and important instructions. The call-outs appear at the top of the Maintenance Job Card if of general nature or applicable for the complete task, or will directly precede the individual Work Step.

The meaning of each call-out is defined below:

**WARNING:** A warning means that the neglect of the appropriate procedure or condition could result in personal injury or fatal accidents.

**CAUTION:** A caution means that the neglect of the appropriate procedure or condition could result in damage to or destruction of equipment.

**NOTE:** A note stresses the attention for a special circumstance, which is essential to emphasize.

Category Codes
A  Safety critical - failure to comply may result in a significant reduction of flight safety, injury or death
B  Important - failure to comply may result in reduced safety margin, injury and/or equipment damage
C  Beneficial - improves operating behaviour, reliability and/or maintainability
COMPLIANCE PROCEDURE

GENERAL, REFERENCES AND REQUIREMENTS
Task may only be performed by an organization or individual trained and entitled to do 'Line Maintenance' or the aircraft holder.
Secure gyroplane against unauthorized or unintended operation!
Manufacturer Maintenance Manual – 52-00-00 4-1 Removal-Installation: Cowlings

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS
N/A

PRECAUTIONS AND SAFETY MEASURES
N/A

PROCEDURES
1. Demount cowlings according to 52-00-00 4-1. Inspection of configuration state. If rubber oil sump hose (Fig. 2) is mounted, perform steps 2-8.
2. Remove oil tank cover. Turn propeller by hand in direction of engine rotation (i.f.d. to the left) until a “gurgling”-sound is hearable in the oil tank. Close oil tank cover.
3. Snap off and remove cable ties on oil sump hose.
4. Remove wire lock of hollow screw/oil sump hose (Fig. 1-1). Unscrew hollow screw. Dispose of copper seal rings. Catch leaking oil residuals.
5. Unscrew oil sump hose from oil tank (in-side). Remove oil sump hose.
7. Perform test run. Inspect for tightness of the lubrication system!
8. Mount cowlings according to 52-00-00 4-1.

NOTE: If attachment hardware with limited reusability (wire lock, self-locking nuts, torque bolts, ...) has been removed or altered during removal or disassembly, affected attachment hardware must be replaced.

PARTS LIST

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Pos.</th>
<th>Description</th>
<th>PC</th>
<th>PIT</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>Oil hose engine sump 912</td>
<td>L1</td>
<td>C.OL201</td>
<td>Calidus Rotax 912</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Oil hose engine sump 914</td>
<td>L1</td>
<td>C.OL301</td>
<td>Calidus Rotax 914</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Feeding Pipe Oil Sump</td>
<td>L1</td>
<td>V.OL10.02</td>
<td>Cavalon Rotax 912 and 914</td>
</tr>
</tbody>
</table>
ILLUSTRATIONS

Fig. 1 – Lubrication system

Fig. 2 – Rubber 'oil hose engine sump' (to be replaced/old)

Fig. 3 – Steel braided oil hose (new)