TELEDYNE CONTINENTAL ® AIRCRAFT ENGINE

SERVICE BULLETIN

Contains Important Information Pertaining to Your Aircraft Engine.
Compliance Will Enhance Safety

SUBJECT: Potential push rod tube packing leakage

PURPOSE: Information to identify, and replace as necessary, harder material push rod tube packings supplied from TCM 3-1-2009 through 6-4-2009

COMPLIANCE: At indication of push rod tube packing leakage or visual inspection at next scheduled maintenance event.


General

This service bulletin is issued to notify of potential oil leakage at the push rod tube packing seal area of the engine models listed above.

For the time period from 3-1-2009 through 6-4-2009, a push rod tube packing made of a harder material than previously supplied was utilized during Factory engine assembly. Some of these harder material push rod tube packings have exhibited small oil leakage indications soon after installation.

During this same period of time, a number of these harder material packings were also shipped as aftermarket spares to distribution. The harder material packings shipped for distributor inventories are currently being returned to the factory.

Do not install any of the harder material push rod tube packings due to the potential for oil leakage at the cylinder or crankcase packing seal point. All harder material push rod tube packings in original TCM packaging should be returned to your TCM parts distributor for replacement with packings formed of the current material.

For reference, push rod tube packing locations are pictured in Figure 3 Item 37. The two different packings are pictured and described in Figures 1 and 2.
Visual inspection

Utilizing a light source and mirror as needed, inspect the cylinder and crankcase seal areas of each push rod tube for leakage of the packing(s). Replace any leaking push rod tube packings per instruction in Maintenance and/or Overhaul manual for the appropriate engine model.

Figure 1
Part number 534610
“Harder” material
Hard to the touch, shiny, stark white in color

Figure 2
Part number 534610
Current material
Resilient to the touch, pliable, Beige to off white color
Warranty

A warranty claims may be filed for push rod tube packing replacement due to oil leakage on Factory shipped affected engines.

Warranty labor allowance of 1.5 hours per cylinder (2 push rod tubes, 4 packings) for replacement of leaking packings will be allowed on all affected Factory shipped engines. If a single packing is leaking on a cylinder it is recommended that all packings (4) on the affected cylinder be replaced. Replacement of all packings on an engine should only be required in cases of leakage of multiple packings. Please contact TCM, as shown following, prior to replacement of push rod tube packings, on any engine requiring all packings to be replaced.

Warranty for field installed push rod tube packing leakage will be considered on a reported condition by engine basis. Please contact TCM as shown below prior to repairs.

All warranty consideration for this issue will cease July 1, 2010. No claims for harder material push rod tube seals will be accepted after this date.

If you have question or comment in this or other TCM Technical issues contact our Technical representatives at 1-888-826-5465, option 1 or Warranty at option 2.