

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Monday, December 19, 2016 10:32 PM
To: Russell Squires
Cc: Grant Robinson; Ed Power; Nakhon Supervisor Engineer
Subject: HVC Hydraulic Coupling Crack

Importance: High

Russ;

Following is the CSE response to my request to remove the hydraulic disconnect hose and cap the fitting and check valve.

Case Number: C0048689
Customer: Thai Aviation Services Limited
Aircraft S/N: 761059
Aircraft Model: S-76D
Aircraft TT: 220.1
ATA: 29
Part Number: TB3005S2-6D
Case Subject: Hyd Disconnect Mod Install-Request To Remove Hose

Problem Description:

TAS S-76D A/C S/N 761059 has hydraulic disconnect mod installed per SCI Dwg 11076-8P001.

TAS maintainers applying external hydraulic power to the No. 2 system noted a hydraulic fluid leak on the No. 2 engine plenum chamber deck.

Closer examination showed that the leak was emanating from the connection of the P/N AE2464732H0211 pressure hose and P/N TB3005S2-6D QD coupling half.

The hose was removed from the coupling and a crack was noted running through the threads of the coupling.

TAS have ordered a replacement P/N TB3005S2-6D coupling, but SCI have not yet been able to provide a delivery date.

Pending receipt of parts from SCI, TAS propose to return the A/C to service by removing the hose and capping the TB3005S2-6D fitting and P/N SS70-912X-6J check valve with P/N MS21914-6J caps.

TAS notes that these caps are already used in several locations in the S-76D hydraulic system.

- 1) TAS request SA approval on an AOG basis to remove No. 2 hydraulic mod pressure hose P/N AE2464732H0211 from A/C S/N 761059 and cap the P/N SS70-912X-6J check valve and P/N TB3005S2-6D coupling half with caps P/N MS21914-6J.
- 2) Please advise if the coupling half is required for engineering evaluation.

EoM

Problem Resolution:

- 1) Sikorsky engineering has reviewed the customer's request and has no objection to TAS removing the line identified and capping the fittings.
- 2) No need for the coupling to be returned.

David P. McConnell

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