

Gents,
See attached report RE: X-Feed valves removed from XV249. Please note that Kinloss also carried out the SST on a valve from Stock and it passed.

Best Regards

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-----Original Message-----

From: X X X X X X X X @kinloss.raf.mod.uk]

Sent: 15 February 2008 12:02

To: X X X X X X X

Subject: RE: Release authorised:FW: Cross feed Valves

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We have now completed the SST's on the 2 crossfeed valves Part No. 5106 002 000, Serial No.'s LRC 708275-3 and 79R. They both failed the SST, results were:

1. Para.4 Torque Test - Pass
2. Para.5 Gate Leakage Test - Fail
3. Para.6.1 Upper Gland Leak Test - Fail
4. Para.6.3 Lower Gland Leak Test - Pass
5. Para.9 Functional Test - Pass

Both valves had the same test results. Due to the excessive leak rate of the valves we could not raise the nitrogen test pressure to 270psi, we could only reach 180psi. Both valves had excessive leakage from the join between the valve body and the actuator through the shaft assembly. With the valve in the closed position AP 105C-0428-1 states that; "Operate the Test Rig controls to apply a test pressure within the range 260 - 270psi and check that any leakage past the butterfly plate does not exceed 849 litres/min (30 cubic feet/min)." We were unable to carry out this part of the test adequately as we could not reach the test pressure required, also the maximum reading of the flow meter on our test bench is limited to 300 litres /min, this was exceeded during the test even with the lower test pressure. Backlash checks, free play, side/end float checks were all ok.

In our opinion the valves are definitely unserviceable and the leakage of air through the shaft between the valve body and actuator is major concern. What would you like us to do with the valves now? I hope this information is of use to you.

Regards,

X X X X

Sgt

SNCO I/C Hyd Bay

Ext. X X

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