

Advisory Wire

REFERENCE NO:	AW300-71-0335	INFORMATION TYPE:	Maintenance Operational
ATA:	71-00	EFFECTIVITY:	Challenger 300 (20003 – 20499) Challenger 350 (20500 – 20999).
SUBJECT:	AS907 Engine - No. 4 Aft Sump		

1. REFERENCES:

- 1.1. Honeywell Service Information Letter (SIL) D201903000028, AS907 Aft Sump Event Discussion

2. INTRODUCTION:

This Advisory Wire is to inform Operators that Honeywell has released a SIL (Ref. 1.1) to discuss recent No. 4 aft sump issues and proactive mitigation actions.

3. DESCRIPTION:

Honeywell is conducting an investigation to determine the root cause of engine events in the aft sump of the AS907 engine. The engine events associated with this issue have typically resulted in chip light/CAS messages during engine ground operation. There have been some occurrences of the CAS message inflight as well.

As a part of the investigation, Honeywell is working to provide an early alert / mitigation effort to identify a No. 4 aft sump (also addresses No. 4 carbon seal) issue before it progresses to the point which could result in an unscheduled downtime or an inflight event. Honeywell is recommending a two-tiered approach in which the oil filter analysis intervals shall be accomplished every 150 – 250 operating hours. In addition to the oil filter analysis, a download of the engine Electronic Control Unit (ECU) data must be accomplished and submitted to CAMP for trending. For operators who are not part of the CAMP trending program, the increased oil filter analysis interval alone will provide an increased level of aft sump (No.4 carbon seal) health monitoring.

This is a temporary reduction in the oil filter analysis and ECU data download intervals. Once root cause has been identified and a corrective action implemented, the oil filter analysis and download intervals will return to normal intervals.

4. ACTION:

Operators should be aware of the information in the SIL (Ref. 1.1) regarding the No. 4 aft sump investigation and recommended early alert / mitigation actions.

Operators will be kept updated via revisions to this AW as new information is made available.

Should you have any questions pertaining to this AW or require additional information, please contact your Bombardier Field Service Representative (FSR) or the Customer Response Centre.