

**AIRBUS A330-343,
G-VKSS**

**On departure from
Orlando International
Airport, USA**

19 January 2013

Serious Incident

Safety Recommendation 2013-015

It is recommended that Rolls-Royce plc modify the oil pressure indication and failure detection systems of the Trent 700 engine to minimise the possibility of an activation of the Electronic Engine Controller oil pump failure logic as a result of high vibration or an Integrated Drive Generator failure.

Date Safety Recommendation made:

11 September 2013

LATEST RESPONSE

Response received:

12 November 2013

- Rolls-Royce has launched a programme of testing to improve understanding of the Trent 700 oil pressure sensing system and its response to engine vibration. Rolls-Royce anticipates that the results from this testing will enable the definition of modifications to this system, necessary to mitigate the likelihood of future spurious indications. This testing is scheduled to be completed before the end of 2013. Plans for appropriate hardware-based solutions can be considered following analysis of the test results. Depending on the outcome of these activities, we currently anticipate that a target design solution would be available before the end of 2014.

- Modification of the EEC software will be incorporated following the Trent 700 fleet, EEC refresh programme, which introduces an on-wing programmable EEC that will simplify software downloads and reduce the time to embody software improvements. This EEC refresh programme is scheduled to commence from 2015, with the subsequent software solution, which will include a method of addressing the spurious low oil pressure indication, targeted as being available before the end of 2016.

AAIB Assessment – Adequate - Closed

RESPONSE HISTORY

N/A