

BULLETIN ADDENDUM

Aircraft Type and Registration:	Airbus A330-243, G-OMYT
Date & Time (UTC):	24 June 2013 at 1110 hrs
Location:	Manchester Airport
Information Source:	Engine manufacturer's forensic report

AAIB Bulletin No 12/2013, page 18 refers

The failure of the HP turbine blade in this incident was caused by high cycle fatigue propagation due to surface damage as a result of Type 2 Sulphidation corrosion. During examination of the remains of the blade, to determine the cause of its failure, unidentified deposits were found on its surfaces. There was concern that these deposits may have been volcanic in origin, in particular from the 2010 eruption of Eyjafjallajökull in Iceland, so additional forensic analysis was carried out. That work was completed in August 2014 and did not identify compounds typically associated with volcanic activity. However, although an encounter with volcanic gaseous sulphur cannot be discounted it is concluded that the deposits probably are an accumulation of atmospheric dirt and pollutants.