



LOKAÐ MEÐ BÓKUN

Case nr.: **20-128F023**

Date: **28. December 2020**

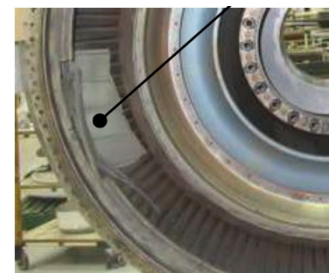
Location: **Keflavik Airport (BIKF) - Iceland**

Description: **N810NW Diverted due to engine failure**

On December 28, 2020. The flight crew of N810NW (Airbus 330) declared an emergency and diverted to Keflavik airport, due to an engine failure.

While in cruise at FL380 on its route from NY to Paris, the crew observed a loud noise and an aircraft shudder. The flight crew observed a high vibration indication for the number 1 engine and noticed that the engine began to vibrate and have compressor stalls when the crew moved the throttle. Furthermore, the flight crew noted that passengers observed sparks coming from the engine. The diverted flight went well, and the aircraft landed safely at Keflavik airport.

A borescope of the engine revealed that the problem was a known failure found at the outer transition duct segment. The engine manufacturer started a campaign for replacement of OTD followed by an AD issued by the FAA, 2020-25-09, that had been released with an effective date of 14-Jan-21.



The investigation also revealed that a redesign of the OTD, was made, as Service Bulletin PW4G-100-A72-261 on 18-Nov-2020 to improve durability.

The Icelandic Transportation Safety Board (ITSB) decided not to write a formal report regarding this serious incident and closed the case during a board meeting on November 25th, 2021.