

Safety Information Bulletin

Airworthiness

SIB No.: 2024-10

Issued: 29 August 2024

Subject: Aeroshell Ascender Oil Type – Removal from the List of Oil Types Approved for Rolls-Royce Trent XWB Engines

Ref. Publications:

Rolls-Royce Notice to Operators (NTO) 336 issue 01 dated 19 August 2024.

Rolls-Royce Engine Oils Manual ROLLROYCEOILS-EOMC-12-10-00-00000-212K-D issue 008 dated 14 August 2024.

Applicability:

Rolls-Royce Deutschland Ltd & Co KG Trent XWB-75, Trent XWB-79, Trent XWB-79B, Trent XWB-84 and Trent XWB-97 engines, all serial numbers.

Description:

Investigation accomplished by Rolls-Royce showed that using Aeroshell Ascender oil type on Rolls-Royce engines leads to reduction in differential oil pressure (P_{oil}) compared to other approved oil types. For Trent XWB-84 and Trent XWB-97 engines the margin of the P_{oil} Amber Line is insufficient to tolerate the impact of this reduction and, therefore, the engine operation above the P_{oil} Amber Line in all operating conditions cannot be ensured. Operating below the Amber Limit may lead to fire in the bearing chamber which could lead to engine shutdown.

Prompted by this development, Rolls-Royce issued NTO 336 announcing update of Rolls-Royce Engine Oils Manual ROLLROYCEOILS-EOMC-12-10-00-00000-212K-D removing Aeroshell Ascender oil type from the list of approved oils for Trent XWB-84 and Trent XWB-97.

At this time, the safety concern described in this SIB is not considered to be an unsafe condition that would warrant Airworthiness Directive (AD) action under Commission Regulation (EU) [748/2012](#), Part 21.A.3B.

Recommendation(s):

Operators of Trent XWB engine series are recommended to review the updated Rolls-Royce Engine Oils Manual ROLLROYCEOILS-EOMC-12-10-00-00000-212K-D issue 008 dated 14 August 2024 (or later approved revisions) and operate the engine accordingly.

Contact(s):

For further information contact the EASA Safety Information Section, Certification Directorate.
E-mail: ADs@easa.europa.eu, or

This is information only. Recommendations are not mandatory.



contact your designated Rolls-Royce representative, or download the publication from your Rolls-Royce Care account at <https://customers.rolls-royce.com>.

If you do not have a designated representative or Rolls-Royce Care account, please contact **Corporate Communications at Rolls-Royce plc**, P.O. Box 31, Derby, DE24 8BJ, United Kingdom Telephone +44 (0)1332 242424 or send an email through <https://www.rolls-royce.com/contact-us/civil-aerospace.aspx> identifying the correspondence as being related to **Safety Information Bulletin**.

This is information only. Recommendations are not mandatory.

