



AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) with ADs.

Number:

CF-2022-06

Effective Date:

14 March 2022

ATA:

35

Type Certificate:

A-276

Subject:

Oxygen System – Crew Oxygen Line Contamination

Applicability:

MHI RJ Aviation ULC. (MHIRJ) (formerly Bombardier Inc.) aeroplanes:

Model CL-600-2C10 and CL-600-2C11, serial numbers 10346 and 10347;

Model CL-600-2D15 and CL-600-2D24, serial numbers 15413 through 15484;

Model CL-600-2E25, serial numbers 19049 through 19064;

Model CL-600-2C10, CL-600-2C11, CL-600-2D15, CL-600-2D24 and CL-600-2E25 equipped with tube part numbers installed after the dates indicated in Section 1.A.(2) of MHIRJ Service Bulletin (SB) 670BA-35-016 Revision B, dated 17 December 2021, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Compliance:

Within 8800 hours air time from the effective date of this AD, unless already accomplished.

Background:

It is possible for the oxygen tubes of the crew oxygen system to be contaminated with lubricants as a result of the inadvertent use of a non-conforming aqueous degreasing process for oxygen line flushing and cleaning during the manufacturing process. If not corrected, lubricant remaining in oxygen lines could lead to a fire within the oxygen tubes or a health hazard related to the inhalation of lubricant fumes through the masks when masks are in use.

This AD mandates the procedure to clean and flush the crew oxygen system to mitigate the risk of fire and injury.

Corrective Actions:

Clean and flush the crew oxygen system in accordance with Section 2.B. of the Accomplishment Instructions of MHIRJ SB 670BA-35-016 Revision B, dated 17 December 2021, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Cleaning and flushing of the crew oxygen system carried out in accordance with MHIRJ SB 670BA-35-016 Initial Issue, dated 26 February 2021 or SB 670BA-35-016 Revision A, dated 5 November 2021 prior to the effective date of this AD, also meet the requirements of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 28 February 2022

Contact:

Craig McAllister, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.