



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-2022-07

Effective Date:

15 March 2022

ATA:

35

Type Certificate:

A-177

Subject:

Oxygen – Oxygen Line Contamination with Sealant and Cotton Fibers

Applicability:

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70006, 70008, 70009 through 70016, 70019, 70020, 70025, 70026, 70028, 70032 through 70035, 70038 through 70043, 70046, 70048, 70050, 70051, 70054, 70063, and 70073.

Compliance:

Within 36 months from the effective date of this AD, unless already accomplished.

Background:

It has been disclosed that the flight crew and passenger oxygen system's refill and capillary lines may have been contaminated by sealant and cotton fibers. If present, this contamination may result in a blockage of oxygen system components, which could result in a reduction of oxygen flow, reduce the total amount of available oxygen or create a fire hazard.

Any contamination is expected to collect in the oxygen cylinder and regulator assembly filters. To address this risk, this AD requires the inspection of oxygen cylinder serial numbers, removal of affected oxygen cylinders and replacement of affected oxygen cylinders with new or reworked oxygen cylinders.

Corrective Actions:

Inspect oxygen cylinder serial numbers, remove oxygen cylinders with affected serial numbers and replace them with unaffected oxygen cylinders in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 700-35-7502, Basic Issue, dated 26 January 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 1 March 2022

Contact:

Christopher Banken, 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.