

# SERVICE LETTER

SUPPORT AND SERVICES DIVISION  
40220 Tarnos – France  
Tel. (33) (0) 5 59 74 40 00

JFE/ODL/CL

## **Service Letter No. 3091/22/ARS2 – 2<sup>nd</sup> issue**

**This Service Letter supersedes the issue dated, June 29 2022**

**Subject: ARRIUS 2F**

**Uncommanded In-Flight Shut Down on EC 120B.**

Dear Sir or Madam,

Safran Helicopter Engines was informed of an event that occurred on June 1 2022 on an EC 120B powered by an Arrius 2F engine.

During a training flight in a mountainous area, the pilot performed an autorotation further to an uncommanded engine in flight shut down, followed by a hard landing. The helicopter sustained minor damages to its landing gear. Nobody was injured.

The engine was returned to Safran Helicopter Engines for investigation. The main findings are:

- A non-compliant engine flame out margin observed on the engine test bench. After the replacement of the preference injector, the engine flame out margin became compliant.
- A highly non-compliant fuel flow of the preference injector.
- A pollution in the preference injector. This pollution was most probably introduced during the last repair of this preference injector (21 flight hours before the event).

Safran Helicopter Engines is implementing corrective actions to prevent a new pollution occurrence during the preference injectors repair process.

As a preventive action on the fleet, Safran Helicopter Engines recommends the application of the Service Bulletin 319 73 4850.

Please contact us for any further information or assistance.

Yours sincerely,



J.F. ESCURET

Technical Support Department

007319\_02