Service Letter

1. General

(a) No.:	SL 15
(b) Issue / Date	Issue A / 06-03-2023
(c) Title:	Fuel cylinder contents gauge floats
(d) Description:	Pinhole leaks in fuel cylinder contents gauges and risk of bursting of the gauge float during maintenance
(e) Applicability:	Fuel cylinder contents gauge floats
(f) Effectivity:	All fuel cylinder contents gauge floats

Note: Applicability= All types and variants to which the advice can be applied. Effectivity= Actual CN or group of CN's to which the advice applies.

2. Accomplishment Instructions

The floats of fuel cylinder contents gauges are known to occasionally leak, resulting in the gauge reading empty regardless of the contents of the fuel cylinder.

We have been made aware of a single instance of a fuel cylinder contents gauge float bursting when removed from a cylinder for investigation following failure. It is thought that the pinhole leak allowed the float to full with fuel, and that subsequent to removal from the cylinder the retained fuel (perhaps combined with other handling loads) caused the float gauge to burst, ejecting plastic fragments of the plastic fuel gauge float which might cause injury or damage.

Repair stations and engineers should be aware of the possibility of gauge floats bursting and should take actions to mitigate any risks when float gauges are removed from cylinders, especially if the gauge has failed. These mitigations might include appropriate PPE (gloves and eye protection) and safe storage of removed float gauges.

3. Materials

None

4. Other Publications Affected

FMS 7.52 Issue 8 (to be issued)

5. Remarks

None

Compiled by:		Notes: None
Date: 15-03-2023	Name: D Boxall	

6. Design Organisation Approval

Approval Statement

The technical content of this document is approved under the authority of DOA nr UK.21J.0140

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Date: 15/03/2023	Name: D J Cameron