A Textron Company

INFORMATION LETTER **505-24-40**

20 June 2024

TO: **All owners and operators of Model 505 helicopters**

SUBJECT: **SAFRAN HELICOPTER ENGINES, ARRIUS 2R SERVICE BULLETIN NO. 319 72 4853 (MODULE M02, GAS GENERATOR, HIGH PRESSURE TURBINE BLADES)**

The purpose of this Information Letter is to achieve complete distribution of the attached Safran Helicopter Engines (SHE) Service Bulletin No. 319 72 4853 to the 505 owners/operators currently registered on the Bell technical publications distribution list.

The Service Bulletin (SB) introduces a decrease of the use limit cycles of the High Pressure (HP) turbine blades given in the list of the Appendix 1 of the SB. The cycle use limit is reduced from 20,000 cycles to 5,000 cycles. Owners/operators are required to update the Module M02 log card to reflect this new cycle limit for the affected parts within 1 month following receipt of the SB.

This is an interim action to address a potential concern with HP blade separation during operation that could cause a loss of sufficient engine power to sustain continued flight. SHE is conducting additional high cycle fatigue testing of suspect blades to attempt to substantiate the increase of the use cycle limits of the HP blades back to 20,000 cycles.

The SB No. 319 72 4853 and associated Appendix 1 and the Certificate 5.1 are in the attachments to this bulletin (Figure 1) and can also be found on the www.tools.safran-helicopter-engines.com website.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

For any questions regarding this letter, please contact:

Bell Product Support Engineering
Tel: 1-450-437-2862 / 1-800-363-8023 / productsupport@bellflight.com

Approved for public release.

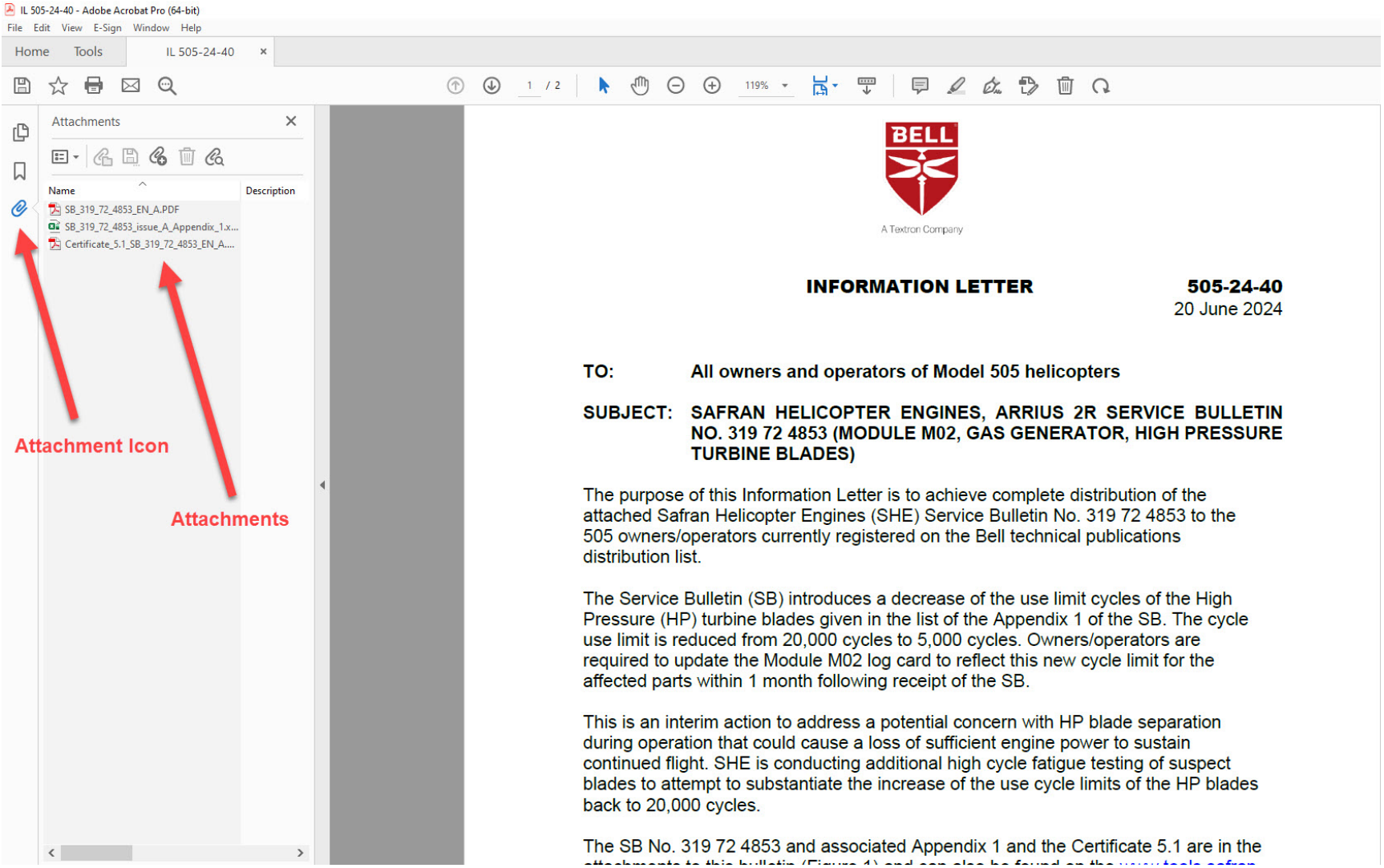

Figure 1 – Location of Attachments to the Information Letter (Using Adobe Acrobat)