AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2023-03-01 **Effective Date: 06 Mar. 2023**

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro da Aviação Civil (RBAC) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 2023-03-01 - EMBRAER / 39-1514.

APPLICABILITY:

(a) This Airworthiness Directive (AD) applies to Embraer S.A. EMB-135BJ airplane model as identified in Embraer Service Bulletin (SB) SB145LEG-57-0015, original revision, dated June 28, 2021, or further revisions approved by ANAC.

CANCELLATION / REVISION:

Not applicable.

REASON:

It was identified missing sealant on the rivets installed in the interface between rib 3 and the wing skin in some Embraer airplanes model EMB-135BJ. The lack of sealant when a failure on the rivets installation exists may result in a potential ignition source inside the fuel tank during a lightning strike, which combined with flammable fuel vapors could result in a fuel tank explosion and consequent loss of the airplane.

Since this condition may occur in other airplanes and affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

To apply sealant on the rivets installed in the interface between rib 3 and wig skin

COMPLIANCE:

Required as indicated below, unless already accomplished.

(b) Terminating action

For airplanes identified in paragraph (a) of this AD, within 48 months after the effective date of this AD, apply sealant on the rivets installed in the interface between rib 3 and wing skin, according to the instructions of Embraer Service Bulletin SB145LEG-57-0015, original revision or further revisions approved by ANAC.

(c) Alternative methods of compliance (AMOCs).

(1) A different method or a different compliance time from the requirements of this AD may be used if approved by the Manager of the Continuing Airworthiness Technical Branch (GTAC) of ANAC.

(2) For service information that contains steps that are labeled as Required for Compliance (RC), the provisions of paragraphs (c)(2)(i) and (c)(2)(ii) of this AD apply.

(i) The steps labeled as RC, including substeps under a RC step and any figures identified in a RC step, must be done to comply with the AD. If a step or substep is labeled “RC Exempt,” then the RC requirement is removed from that step or substep. An AMOC is required for any deviations to RC steps, including substeps and identified figures.

(ii) Steps not labeled as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the RC steps, including substeps and identified figures, can still be done as specified, and the airplane can be put back in an airworthy condition.

(d) Material incorporated by reference.

Detailed instructions and procedures to accomplish the requirements of this AD, unless otherwise specified by the AD, are contained in Embraer Service Bulletin SB145LEG-57-0015, original revision, dated June 28, 2021, or further revisions approved by ANAC.

Record compliance with this AD in the applicable maintenance log book.

CONTACT:

For additional technical information, contact:

National Civil Aviation Agency (ANAC)

Continuing Airworthiness Technical Branch (GTAC)

Rua Doutor Orlando Feirabend Filho, nº 230

Centro Empresarial Aquárius - Torre B - 14º ao 18º andares

Parque Residencial Aquárius

CEP 12246-190 – São José dos Campos - SP, BRAZIL.

Tel: (12) 3203-6600; E-mail: pac@anac.gov.br

APPROVAL:

ROBERTO JOSÉ SILVEIRA HONORATO
Airworthiness Superintendent
ANAC

NOTA: Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC).

Referência: Processo nº 00066.004001/2021-00 SEI nº 8281379