



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aircraft Certification Service
Compliance & Airworthiness Division

Atlanta ACO Branch
1701 Columbia Ave.
College Park, Georgia 30337

April 11, 2022

In Reply, Reference FAA Correspondence #: 7A0-20-5851

Mr. Josh Christopher
Senior Engineering Manager
Stratus Tool Technologies
2208 Air Park Drive
Burlington, NC 27215

Subject: Alternative Method of Compliance (AMOC) for Airworthiness Directive (AD) 2022-04-04, Paragraph (g), "Required Actions"

Dear Mr. Christopher:

The Federal Aviation Administration (FAA) has received your proposal dated March 9, 2022, proposing an alternative method of compliance (AMOC) to paragraph (g) of Airworthiness Directive 2022-04-04.

The Atlanta Aircraft Certification Office approves your AMOC proposal to paragraph (g) of AD 2022-04-04, for the lower (oil pump interface) location only, to remove and replace the AN900 copper crush washer with the Stratus ST07 Lower Gasket. The AN900 crush washer experiences occasional nuisance leaks which are eliminated by the ST07 gasket.

The following documentation provides the substantiating data used to establish the acceptable level of safety which was the basis for approving the AMOC.

Stratus, Engineering Test Report, dated April 5, 2022

The following limitations apply to this AMOC:

1. This AMOC applies to the following Continental Aerospace Technologies, Inc (Type Certificate previously held by Continental Motors, Inc. and Teledyne Continental Motors) model reciprocating engines:

- a. C-125-1, -2
- b. C-145-2, -2H
- c. IO-360-C, -D, -DB, -H, -HB, -K, -KB
- d. IO-470-E, -S

- e. IO-550-B, -G
- f. O-300-B, -C, -D, -E
- g. O-470-A, -B, -G, -J, -K, -L, -M, -N, -R, -S, -U, -11, -15
- h. TSIO-360-E, -EB, -F, -FB, -, -GB, -LB, -MB
- i. TSIO-520-C, -CE, -E, -UB

2. Continental Motors (Type Certificate previously held by Teledyne Continental Motors) model reciprocating engines: IO-520-A, -B, -BA, -BB, -C, -D, -J, -L

This FAA AMOC is transferable with the aircraft to an operator who operates the aircraft under U.S. registry.

Before using this AMOC notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local Flight Standards District Office/Certificate.

Holding District Office. The preceding paragraph also applies to any applicable foreign-Registered aircraft upon transfer of the aircraft to the U.S. registry if compliance with the AMOC has not been accomplished.

All provisions of AD 2022-04-04 that are not specifically referenced above remain fully applicable and must be complied with accordingly.

The Atlanta Aircraft Certification Office (ACO) will revoke this AMOC if the Atlanta ACO later determines that this AMOC does not provide an acceptable level of safety.

This AMOC only applies to the FAA AD listed above. The FAA does not have the authority to approve this as an AMOC to any AD issued by another civil aviation authority (CAA). Approval of an AMOC to another CAA's AD must come from that CAA. A copy of this response will be forwarded to the CAA where these engines are.

If you have any questions or need additional information, please contact Mr. George Hanlin at 404-474-5584, fax 404-474-5566, or electronic mail at george.hanlin@faa.gov.

Sincerely,

EUGENE E EVANS Digitally signed by
EUGENE E EVANS
Date: 2022.04.11
15:14:12 -04'00'

Eugene E. Evans
Manager, Propulsion and Services Section
Atlanta ACO Branch
Compliance and Airworthiness Division
Aircraft Certification Service

Enclosure: Stratus Engineering Test Report dated April 5, 2022