

manufacturer-selected temperature higher than 25 °C with the same ±5 °C tolerance.

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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2018-0359; Product Identifier 2018-NM-040-AD; Amendment 39-19405; AD 2018-19-05]

RIN 2120-AA64

#### Airworthiness Directives; Dassault Aviation Airplanes

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for all Dassault Aviation Model MYSTERE-FALCON 900 airplanes. This AD was prompted by a determination that more restrictive maintenance requirements and airworthiness limitations are necessary. This AD requires revising the maintenance or inspection program, as applicable, to incorporate new and more restrictive maintenance requirements and airworthiness limitations. We are issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective October 26, 2018.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of October 26, 2018.

**ADDRESSES:** For service information identified in this final rule, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; internet <http://www.dassaultfalcon.com>. You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0359.

#### Examining the AD Docket

You may examine the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0359; or in person at Docket Operations

between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the regulatory evaluation, any comments received, and other information. The address for Docket Operations (phone: 800-647-5527) is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3226.

#### SUPPLEMENTARY INFORMATION:

##### Discussion

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to all Dassault Aviation Model MYSTERE-FALCON 900 airplanes. The NPRM published in the **Federal Register** on April 30, 2018 (83 FR 18753). The NPRM was prompted by a determination that more restrictive maintenance requirements and airworthiness limitations are necessary. The NPRM proposed to require revising the maintenance or inspection program, as applicable, to incorporate new and more restrictive maintenance requirements and airworthiness limitations. We are issuing this AD to prevent reduced structural integrity of the airplane.

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Union, has issued EASA AD 2018-0027, dated January 30, 2018 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for all Dassault Aviation Model MYSTERE-FALCON 900 airplanes. The MCAI states:

The airworthiness limitations and certification maintenance instructions for the Dassault Mystère-Falcon 900 aeroplanes, which are approved by EASA, are currently defined and published in the Dassault Mystère-Falcon 900 [Airplane Maintenance Manual] AMM chapter 5-40. These instructions have been identified as mandatory for continued airworthiness.

Failure to accomplish these instructions could result in an unsafe condition [*i.e.*, reduced structural integrity of the airplane].

Consequently, EASA issued AD 2016-0127 [which corresponds to FAA AD 2017-19-03 Amendment 39-19033 (82 FR 43166, September 14, 2017) (“AD 2017-19-03”)] to require accomplishment of the maintenance tasks, and implementation of the airworthiness limitations, as specified in

Dassault Mystère-Falcon 900 AMM chapter 5-40 Revision 22.

Since that [EASA] AD was issued, Dassault issued Revision 23 of the Dassault Mystère-Falcon 900 AMM chapter 5-40, which introduces new and more restrictive maintenance requirements and/or airworthiness limitations.

For the reason described above, this [EASA] AD retains the requirements of EASA AD 2016-0127, which is superseded, and requires accomplishment of the actions specified in Revision 23 of the Dassault Mystère-Falcon 900 AMM chapter 5-40 \* \* \*.

You may examine the MCAI in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0359.

#### Comments

We gave the public the opportunity to participate in developing this final rule. We received no comments on the NPRM or on the determination of the cost to the public.

#### Conclusion

We reviewed the relevant data and determined that air safety and the public interest require adopting this final rule as proposed, except for minor editorial changes. We have determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for addressing the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

#### Related Service Information Under 14 CFR Part 51

Dassault Aviation has issued Chapter 5-40, Airworthiness Limitations, Revision 23, dated September 2017, of the Dassault Aviation Falcon 900 Maintenance Manual. This service information describes procedures, maintenance tasks, and airworthiness limitations specified in the Airworthiness Limitations Section (ALS) of the AMM. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the **ADDRESSES** section.

#### Costs of Compliance

We estimate that this AD affects 65 airplanes of U.S. registry.

We estimate the following costs to comply with this AD:

We have determined that revising the maintenance or inspection program takes an average of 90 work-hours per operator, although we recognize that this number may vary from operator to

operator. In the past, we have estimated that this action takes 1 work-hour per airplane. Since operators incorporate maintenance or inspection program changes for their affected fleet(s), we have determined that a per-operator estimate is more accurate than a per-airplane estimate. Therefore, we estimate the total cost per operator to be \$7,650 (90 work-hours × \$85 per work-hour).

#### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

This AD is issued in accordance with authority delegated by the Executive Director, Aircraft Certification Service, as authorized by FAA Order 8000.51C. In accordance with that order, issuance of ADs is normally a function of the Compliance and Airworthiness Division, but during this transition period, the Executive Director has delegated the authority to issue ADs applicable to transport category airplanes and associated appliances to the Director of the System Oversight Division.

#### Regulatory Findings

This AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a "significant regulatory action" under Executive Order 12866,
- (2) Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),

(3) Will not affect intrastate aviation in Alaska, and

(4) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

#### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

#### Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

#### PART 39—AIRWORTHINESS DIRECTIVES

- 1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

#### § 39.13 [Amended]

- 2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

#### 2018–19–05 Dassault Aviation:

Amendment 39–19405; Docket No. FAA–2018–0359; Product Identifier 2018–NM–040–AD.

#### (a) Effective Date

This AD is effective October 26, 2018.

#### (b) Affected ADs

This AD affects AD 2010–26–05, Amendment 39–16544 (75 FR 79952, December 21, 2010) ("AD 2010–26–05"); AD 2016–01–16, Amendment 39–18376 (81 FR 3320, January 21, 2016) ("AD 2016–01–16"); and AD 2017–19–03, Amendment 39–19033 (82 FR 43166, September 14, 2017) ("AD 2017–19–03").

#### (c) Applicability

This AD applies to Dassault Aviation Model MYSTERE-FALCON 900 airplanes, all serial numbers, certificated in any category.

#### (d) Subject

Air Transport Association (ATA) of America Code 05, Time limits/maintenance checks.

#### (e) Reason

This AD was prompted by a determination that more restrictive maintenance requirements and airworthiness limitations are necessary. We are issuing this AD to prevent reduced structural integrity of the airplane.

#### (f) Compliance

Comply with this AD within the compliance times specified, unless already done.

#### (g) Revision of Maintenance or Inspection Program

Within 90 days after the effective date of this AD, revise the maintenance or inspection program, as applicable, to incorporate the information specified in Chapter 5–40, Airworthiness Limitations, Revision 23, dated September 2017, of the Dassault Aviation Falcon 900 Maintenance Manual. The initial compliance times for doing the tasks are at the time specified in Chapter 5–40, Airworthiness Limitations, Revision 23, dated September 2017, of the Dassault Aviation Falcon 900 Maintenance Manual, or within 90 days after the effective date of this AD, whichever occurs later. The term "LDG" in the "First Inspection" column of any table in the service information specified in this paragraph means total airplane landings. The term "FH" in the "First Inspection" column of any table in the service information specified in this paragraph means total flight hours. The term "FC" in the "First Inspection" column of any table in the service information specified in this paragraph means total flight cycles. The term "M" in the "First Inspection" column of any table in the service information specified in this paragraph means months.

#### (h) No Alternative Actions or Intervals

After the maintenance or inspection program has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections), or intervals, may be used unless the actions, or intervals, are approved as an alternative method of compliance (AMOC) in accordance with the procedures specified in paragraph (j)(1) of this AD.

#### (i) Terminating Actions for Certain Other ADs

(1) Accomplishing the actions required by paragraph (g) of this AD terminates all requirements of AD 2016–01–16 and AD 2017–19–03.

(2) Accomplishing the actions required by paragraph (g) of this AD terminates the requirements of paragraph (g)(1) of AD 2010–26–05, for Dassault Aviation Model MYSTERE-FALCON 900 airplanes.

#### (j) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, International Section, Transport Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (k)(2) of this AD. Information may be emailed to: [9-ANM-116-AMOC-REQUESTS@faa.gov](mailto:9-ANM-116-AMOC-REQUESTS@faa.gov). Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) *Contacting the Manufacturer*: For any requirement in this AD to obtain corrective

actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Dassault Aviation's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

#### (k) Related Information

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2018-0027, dated January 30, 2018, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0359.

(2) For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3226.

#### (l) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Chapter 5-40, Airworthiness Limitations, Revision 23, dated September 2017, of the Dassault Aviation Falcon 900 Maintenance Manual.

(ii) Reserved.

(3) For service information identified in this AD, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; internet <http://www.dassaultfalcon.com>. You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(4) You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on August 30, 2018.

**Jeffrey E. Duven,**

Director, System Oversight Division, Aircraft Certification Service.

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**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2017-0619; Product Identifier 2016-SW-093-AD; Amendment 39-19408; AD 2018-19-08]

RIN 2120-AA64

#### Airworthiness Directives; Leonardo S.p.A. (Type Certificate Previously Held by Finmeccanica S.p.A., AgustaWestland S.p.A) Helicopters

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule.

**SUMMARY:** We are adopting a new airworthiness directive (AD) for Leonardo S.p.A. (Leonardo) Model AW189 helicopters. This AD requires inspecting the tail gearbox (TGB) fitting for a crack. This AD was prompted by a report of a crack on a TGB fitting that was found during a scheduled inspection. The actions of this AD are intended to prevent an unsafe condition on these products.

**DATES:** This AD is effective October 26, 2018.

The Director of the Federal Register approved the incorporation by reference of a certain document listed in this AD as of October 26, 2018.

**ADDRESSES:** For service information identified in this final rule, contact Leonardo S.p.A. Helicopters, Matteo Ragazzi, Head of Airworthiness, Viale G. Agusta 520, 21017 C. Costa di Samarate (Va) Italy; telephone +39-0331-711756; fax +39-0331-229046; or at <http://www.leonardocompany.com/-/bulletins>. You may review the referenced service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177. It is also available on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0619.

#### Examining the AD Docket

You may examine the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2017-0619; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the European Aviation Safety Agency (EASA) AD, any incorporated-by-reference service information, the economic evaluation, any comments received, and other information. The

street address for Docket Operations (phone: 800-647-5527) is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Matt Fuller, Senior Aviation Safety Engineer, Safety Management Section, Rotorcraft Standards Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone (817) 222-5110; email [matthew.fuller@faa.gov](mailto:matthew.fuller@faa.gov).

#### SUPPLEMENTARY INFORMATION:

##### Discussion

On February 21, 2018, at 83 FR 7423, the **Federal Register** published our notice of proposed rulemaking (NPRM), which proposed to amend 14 CFR part 39 by adding an AD that would apply to AgustaWestland S.p.A (now Leonardo) Model AW189 helicopters with tail assembly part number (P/N) 8G5350A00131 installed. The NPRM proposed to require inspecting the TGB fitting for a crack. The proposed requirements were intended to detect a crack on a TGB fitting, which could reduce the tail assembly's ability to sustain loads from the TGB and the tail rotor and result in loss of helicopter control.

The NPRM was prompted by AD No. 2016-0177, dated September 8, 2016, issued by EASA, which is the Technical Agent for the Member States of the European Union, to correct an unsafe condition for Leonardo (formerly Finmeccanica S.p.A. and AgustaWestland S.p.A.) Model AW189 helicopters with a tail assembly P/N 8G5350A00131. EASA advises that a crack was detected on the TGB fitting P/N 4F5350A04152 during a scheduled inspection of an AW189 helicopter. EASA advises that this condition, if not detected and corrected, could lead to crack propagation up to a critical length. This condition could reduce the assembly's ability to sustain loads from the TGB and tail rotor, possibly resulting to reduced helicopter control. The EASA AD consequently requires repetitive inspections of the fitting and replacing the fitting, depending on the inspections' outcome. EASA considers these actions to be interim and that further AD action may follow.

After the NPRM was published, the FAA updated AgustaWestland S.p.A's (AgustaWestland) name to Finmeccanica S.p.A. and then to Leonardo on its FAA type certificate. This name change is reflected in this AD.