



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No. 2007-01-01

Effective Date: 29 Jan. 2007

The following Brazilian Airworthiness Directive (AD), issued by the Departamento de Aviação Civil (DAC) 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 de Homologação Aeronáutica (RBHA) 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. 2007-01-01 - AEROMOT - Amendment 39-1165.

APPLICABILITY:

This Airworthiness Directive is applicable to the following Aeromot aircrafts models in operation: AMT-100 modified to AMT-200; AMT-200; AMT-200S; and AMT-300.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found that the coolant liquid EVANS NPG+ is a flammable fluid. The engine liquid cooling system of the affected Aeromot aircrafts is not designed to operate with flammable liquids. Therefore, there is an unacceptable engine fire risk associated with the use of EVANS NPG+ fluid.

Since this condition may occur in other aircraft of the same type and affects flight safety, an immediate corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit without prior notice.

REQUIRED ACTION:

Replacement of the EVANS NPG+ coolant liquid, application of new red lines on the engine cylinder head temperature gauge, replacement of the engine radiator cap, and amendment of the Airplane Flight Manual (AFM).

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 20 flight hours or 30 days after the effective date of this AD, whichever occurs first:

- (a) Replace the EVANS NPG+ coolant liquid with a conventional, approved coolant for the Rotax 912 & 914 series engines;
- (b) Apply a new red line marking on the engine cylinder head temperature gauge at 120° C / 248° F;
- (c) Replace the radiator cap P/N 922075 from the affected engines by new ones bearing P/N 922070; and

- (d) Amend the Airplane Flight Manual to include an operational limit for the cylinder head temperature of 120° C / 248° F. This may be accomplished by inserting a copy of this AD into the Limitations Section of the AFM.

The detailed instructions and procedures to accomplish this AD are described in the Aeromot Alert Service Bulletin No. 200-71-106, original issue, or further revisions approved by the ANAC. Record compliance with this AD in the applicable maintenance log book.

CONTACT:

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