

Airworthiness Directive Amendment 39-5888; AD 88-03-06

Federal Register Information

Header Information

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Amendment 39-5888; AD 88-03-06

TELEDYNE CONTINENTAL MOTORS (TCM) Model IO-360, TSIO-360, O-470, IO-470, TSIO-470, IO-520, TSIO-520, GTSIO-520, and IO-550 Series Engines

Preamble Information

AGENCY: Federal Aviation Administration, DOT

DATES: Effective April 15, 1988.

Regulatory Information

88-03-06 TELEDYNE CONTINENTAL MOTORS (TCM): Amendment 39-5888. Applies to IO-360, TSIO-360, O-470, IO-470, TSIO-470, IO-520, TSIO-520, GTSIO-520, and IO-550 series engines equipped with oil filters.

Compliance is required at the next oil change or within 10 flight hours, whichever occurs first, unless already accomplished.

To prevent possible loss of engine oil and subsequent engine failure, accomplish the following:

(a) Determine if oil filter TCM P/N 649309 or 649310 is installed.

(1) If neither filter is installed, proceed to paragraph (b).

(2) If P/N 649309 is installed, replace with P/N 649923 or equivalent Parts Manufacturer Approval (PMA) product.

(3) If P/N 649310 is installed, replace with P/N 649922 or equivalent PMA product.

(b) Make appropriate log book entry showing compliance with this AD.

(c) Aircraft may be ferried in accordance with the provisions of Federal Aviation Regulations 21.197 and 21.199 to a base where this AD can be accomplished.

(d) Upon request, an equivalent means of compliance with the requirements of this AD may be

approved by the Manager, Atlanta Aircraft Certification Office, Federal Aviation Administration, 1669

Phoenix Parkway, Suite 210C, Atlanta, Georgia 30349.

(e) Upon submission of substantiating data by an owner or operator, through an FAA maintenance

inspector, the Manager, Atlanta Aircraft Certification Office, may adjust the compliance time specified in this AD.

NOTES: (1) TCM Service Bulletin No. M88-4, dated January 15, 1988, refers to this subject.

(2) TCM oil filter P/N's 649309 and 649310, in inventory, should be returned to TCM in accordance with

the TCM service bulletin referenced in Note 1.

This amendment, 39-5888, becomes effective April 15, 1988, as to all persons except those persons to whom it was made immediately effective by individual priority letter AD 88-03-06, issued February 5,

1988, which contained this amendment. thickness Directive Amendment 39-8030; AD 91-19-03

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Docket No. 91-ANE-23; Amendment 39-8030; AD 91-19-03

TELEDYNE CONTINENTAL MOTORS (TCM) Models IO-360, L/TSIO-360, IO-346, L/I/O-470, TSIO-470, IO-520, L/TSIO-520, 6-285, IO-550, and GTSIO-520 Series Engines

Preamble Information

AGENCY: Federal Aviation Administration, DOT

DATES: Effective September 29, 1991.

Regulatory Information

91-19-03 TELEDYNE CONTINENTAL MOTORS (TCM): Amendment 39-8030. Docket No. 91-ANE-23.

Applicability: TCM Models IO-360, L/TSIO-360, IO-346, L/I/O-470, TSIO-470, IO-520, L/TSIO-520, 6-285,

IO-550, and GTSIO-520 series engines, which are installed on, but not limited to, certain Beech

Bonanza

models C33, E33, F33, S35, V35, A36, 36, A36TC, and B36TC; Musketeer model A23, Baron models C55, D55, E55, 58, and 58TC series airplanes; and on certain Cessna models R172K, 180 (Serial Numbers (S/N)

53087 and up), 182(S/N 67042 and up), F182(S/N 00130 and up), 185(S/N 03852 and up), 188(S/N 03474

and up), T188(S/N 03474 and up), 206(S/N 05030 and up), 207(S/N 05227 and up), T207 (S/N 05227

and

up), 210 (S/N 63373-63375 and up), T210(S/N 63373-63375 and up), P210(S/N 278 and up), T303, 310, 320, P337, T337, 340, 401, 402, 414 series airplanes; and on certain Mooney Aircraft Corp. models M20K and M20K-252TSE series airplanes; and on certain Piper Pawnee model PA-36, Arrow model PA-28R-201T, Dakota model PA-28-201T, Malibu model PA-46-310P, and Seneca models PA-34-200T and PA-34-

220T series airplanes; certificated in any category. Compliance: Required as indicated unless previously accomplished.

To prevent operation with collapsed oil filter elements, which can result in loss of oil pressure, engine power loss or engine failure, and possible aircraft damage, accomplish the following prior to September 30, 1991:

(a) Inspect the engine oil filter and determine if the filter is a Champion Part No. (P/N) CH48108 or CH48109. If the filter is so identified, proceed to paragraph (b) of this AD.

(b) Inspect the engine oil filter and determine the date code of the filter printed on the side of the exterior. Remove any filter bearing any of the following date codes prior to further flight:

Date codes: All three-digit date codes with "9" as the third-digit, or date codes 3J8, 4J8, 1K8, 2K8, 3K8, 4K8, 2L8, 1M8, 3M8, 1A0, or 2A0

(c) Filters identified with any of the date codes listed in paragraph (b) of this AD are not serviceable and cannot be returned to service.

(d) Replace any removed filter with Champion filter P/N CH48108 or CH48109 having date codes other than those listed in paragraph (b) of the AD, or with any other FAA approved filter that is eligible for the applicable engines.

(e) Aircraft may be ferried in accordance with the provisions of FAR 21.197 and 21.199 to a base where the AD can be accomplished.

(f) Upon submission of substantiating data by an owner or operator through an FAA Inspector, (maintenance, avionics, operations, as appropriate) an alternate method of compliance with the requirements of this AD or adjustments of the compliance times specified in this AD may be approved

by the Manager, Atlanta Aircraft Certification Office, 1669 Phoenix Parkway, Suite 210C, Atlanta, Georgia 30349.

(g) All persons affected by this directive who have not already received the appropriate service information from the manufacturer may obtain copies upon request from Champion Aviation Products,

330 Pelham Road, Suite 200, Building B, Greenville, South Carolina 29615 or Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama 36601. This information may be examined at the FAA, New England Region, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, Massachusetts.

This amendment (39-8030, AD 91-19-03) becomes effective on September 29, 1991.

Comments

Updated RGL applicability to match AD applicability: FAR C-11-185 ss Directive Amendment 39-8565, AD 93-08-17

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Docket No. 92-ANE-05; Amendment 39-8565; AD 93-08-17

TELEDYNE CONTINENTAL MOTORS (TCM) Model O-470, IO-470, IO-520, TSIO-520, and IO-550 Series Engines

Preamble Information

AGENCY: Federal Aviation Administration, DOT

DATES: Effective August 23, 1993.

Regulatory Information

93-08-17 TELEDYNE CONTINENTAL MOTORS (TCM): Amendment 39-8565. Docket 92-ANE-05.

Applicability: Teledyne Continental Motors (TCM) rebuilt and overhauled Model O-470, IO-470, IO-520,

TSIO-520, and IO-550 series engines listed by serial number in TCM Service Bulletin (SB) No. M91-10, Revision 1, dated November 27, 1991, installed on but not limited to Cessna, Piper, and Beechcraft aircraft.

Compliance: Required as indicated, unless accomplished previously.

To prevent an engine failure, accomplish the following:

(a) Within the next 50 hours time in service after the effective date of this AD, inspect engines for an

incorrect oil pick-up tube in accordance with the instructions of TCM SB No. M91-10, Revision 1, dated November 27, 1991.

(b) If an incorrect oil pick-up tube is installed, prior to further flight remove the oil pick-up tube and oil sump, and replace with serviceable parts.

(c) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Atlanta Certification Office. The request should be forwarded through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Atlanta Certification Office.

NOTE: Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the Certification Office.

(d) Special flight permits may be issued in accordance with FAR 21.197 and 21.199 to operate the airplane to a location where the requirements of this AD can be accomplished.

(e) The inspection of the installation of the oil pick-up tube shall be done in accordance with the following service bulletin:

Document No. Pages Revision Date  
TCM M91-10 1-3 1 November 27, 1991  
Total Pages: 3

This incorporation by reference was approved by the Director of the Federal Register in accordance with

5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Teledyne Continental Motors, P.O. Box

90, Mobile, Alabama 36601. Copies may be inspected at the FAA, New England Region, Office of the Assistant Chief Counsel, 12 New England Executive Park, Burlington, Massachusetts; or at the Office of the Federal Register, 800 North Capitol Street NW., suite 700, Washington, DC.

(f) This amendment becomes effective on August 23, 1993.

Not Required per Oil Filter Part Number (uses CH 48110)