CONTINENTAL
AEROSPACE TECHNOLOGIES GmbH

Continental Aerospace
Technologies GmbH
Platanenstrasse 14
09356 Sankt Egidien, Germany

Tel: +49 37204 696 0
Fax: +49 37204 696 2912
www.continentaldiesel.com
support@continentaldiesel.com

Service Bulletin

Service Bulletin No. / Date: TM TAE 125-0001, Revision 24 / February 05, 2024

Subject: Time Between Replacement (TBR) and Time Between Overhaul (TBO)

Type affected: Entire aircraft engine TAE 125-01, TAE 125-02-99, TAE 125-02-114, TAE 125-02-125

Models affected: All

Compliance: Category 1 – Safety

Accomplishment:

TAE 125-01:

1000 flight hours or 12 years after the date of initial operation, whichever occurs first. The date of initial operation is the date, the engine is operated for the first time or the 180th day after delivery of Continental Aerospace Technologies GmbH, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-99 – Version 01 (see remarks for engine version identification):

1500 flight hours or 12 years after the date of initial operation, whichever occurs first. The date of the initial operation is the date the engine is operated for the first time or the 180th day after delivery of Continental Aerospace Technologies GmbH, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-99 – Version 02, or later approved Versions (see remarks for engine version identification):

2100 flight hours or 12 years after the date of initial operation, whichever occurs first. The date of the initial operation is the date the engine is operated for the first time or the 180th day after delivery of Continental Aerospace Technologies GmbH, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

Checked	Approved
T. Kreißl, CVE 05. FEB. 2024	M. Heinich, Office of Airworthiness 05. FEB. 2024

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TAE 125-02-114 – Version 01 (see remarks for engine version identification):

1200 flight hours or 12 years after the date of initial operation, whichever occurs first. The date of the initial operation is the date the engine is operated for the first time or the 180th day after delivery of Continental Aerospace Technologies GmbH, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-114 – Version 02, or later approved Versions (see remarks for engine version identification):

2100 flight hours or 12 years after the date of initial operation, whichever occurs first. The date of the initial operation is the date the engine is operated for the first time or the 180th day after delivery of Continental Aerospace Technologies GmbH, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-114P:

1200 flight hours or 12 years after the date of initial operation, whichever occurs first. The date of the initial operation is the date the engine is operated for the first time or the 180th day after delivery of Continental Aerospace Technologies GmbH, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-125:

1800 flight hours or 12 years after the date of initial operation, whichever occurs first. The date of the initial operation is the date the engine is operated for the first time or the 180th day after delivery of Continental Aerospace Technologies GmbH, whichever occurs first.

Reason:

TAE 125-01:

The entire aircraft engine TAE 125-01 has a proved TBR of 1000 flight hours or 12 years, whichever occurs first. For safety reasons it is strongly recommended to replace the entire aircraft engine after 1000 flight hours or after 12 years, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

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TAE 125-02-99 – Version 01 (see remarks for engine version identification):

The entire aircraft engine TAE 125-02-99 has a proved TBR / TBO of 1500 flight hours or 12 years, whichever occurs first. For safety reasons it is strongly recommended to replace or overhaul the entire aircraft engine after 1500 flight hours or after 12 years, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-99 – Version 02, or later approved Versions (see remarks for engine version identification):

The entire aircraft engine TAE 125-02-99 has a proved TBR / TBO of 2100 flight hours or 12 years, whichever occurs first. For safety reasons it is strongly recommended to replace or overhaul the entire aircraft engine after 2100 flight hours or after 12 years, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-114 – Version 01 (see remarks for engine version identification):

The entire aircraft engine TAE 125-02-114 has a proved TBR / TBO of 1200 flight hours or 12 years, whichever occurs first. For safety reasons it is strongly recommended to replace or overhaul the entire aircraft engine after 1200 flight hours or after 12 years, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-114 – Version 02, or later approved Versions (see remarks for engine version identification):

The entire aircraft engine TAE 125-02-114 has a proved TBR / TBO of 2100 flight hours or 12 years, whichever occurs first. For safety reasons it is strongly recommended to replace or overhaul the entire aircraft engine after 2100 flight hours or after 12 years, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

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TAE 125-02-114P:

The entire aircraft engine TAE 125-02-114P has a proved TBR / TBO of 1200 flight hours or 12 years, whichever occurs first. For safety reasons it is strongly recommended to replace or overhaul the entire aircraft engine after 1200 flight hours or after 12 years, whichever occurs first.
Parts with a different life time are listed in the table under "Remarks".

TAE 125-02-125

The entire aircraft engine TAE 125-02-125 has a proved TBR of 1800 flight hours or 12 years, whichever occurs first. For safety reasons it is strongly recommended to replace the entire aircraft engine after 1800 flight hours or after 12 years, whichever occurs first.

Correction:

TAE 125-01:
Engine Replacement

TAE 125-02-99:
Engine Replacement or Engine Overhaul

TAE 125-02-114:
Engine Replacement or Engine Overhaul

TAE 125-02-114P:
Engine Replacement or Engine Overhaul

TAE 125-02-125:
Engine Replacement

Remarks:

TAE 125-01:

The aircraft engine TAE 125-01 is subject of a life extension program. For the reason of data sampling, the replaced aircraft engine has to be sent to Continental Aerospace Technologies GmbH. For further information, please contact Continental Aerospace Technologies GmbH.

TAE 125-02-99:

The aircraft engine TAE 125-02-99 is subject of a life extension program. For the reason of data sampling, the replaced aircraft engine has to be sent to Continental Aerospace Technologies GmbH. For further information, please contact Continental Aerospace Technologies GmbH.

TAE 125-02-114:

The aircraft engine TAE 125-02-114 is subject of a life extension program. For the reason of data sampling, the replaced aircraft

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engine has to be sent to Continental Aerospace Technologies GmbH. For further information, please contact Continental Aerospace Technologies GmbH.

TAE 125-02-114P:

The aircraft engine TAE 125-02-114P is subject of a life extension program. For the reason of data sampling, the replaced aircraft engine has to be sent to Continental Aerospace Technologies GmbH. For further information, please contact Continental Aerospace Technologies GmbH.

TAE 125-02-125:

The aircraft engine TAE 125-02-125 is subject of a life extension program. For the reason of data sampling, the replaced aircraft engine has to be sent to Continental Aerospace Technologies GmbH. For further information, please contact Continental Aerospace Technologies GmbH.

Identification of Engine Version on Type Plate:

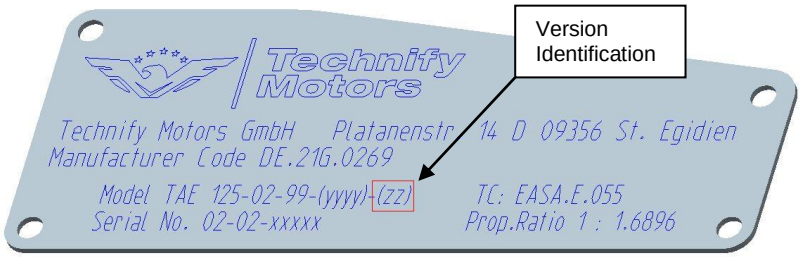

Fig. 1 Engine Version Identification

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Parts with a different life time:

Part Number	Description	Life time
02-7320-55227R2	Load Potentiometer	19,200 flight hours
02-7320-55233R2	Load Potentiometer	19,200 flight hours
05-7320-E000201	Load Potentiometer	19,200 flight hours
05-7320-E000301	Load Potentiometer	19,200 flight hours
05-7150-E000501 05-7150-E000502	Alternator 14V	Based on condition, periodical maintenance must be observed**
05-7150-E000601 05-7150-E000602	Alternator 28V	Based on condition, periodical maintenance must be observed**
05-7150-E001901	Alternator 28V	Based on condition, periodical maintenance must be observed**
02-7310-04005R6	High-Pressure Pump	Based on condition, periodical maintenance must be observed**
05-7312-K009101 05-7312-K009102	High-Pressure Pump	Based on condition, periodical maintenance must be observed**
05-7312-K005301 05-7312-K005302 05-7312-K005303 05-7312-K005304	High-Pressure Pump	Based on condition, periodical maintenance must be observed**
02-7150-55451R1	Alternator Regulator 14V	10,000 flight hours or 10 years *
02-7150-55870R1	Alternator Regulator 14V	10,000 flight hours or 10 years *
50-7150-E000101 50-7150-E000102	Alternator Regulator 14V	10,000 flight hours
05-7150-E000801 05-7150-E000802	Alternator Regulator 14V	10,000 flight hours
05-7150-E000701 05-7150-E000702	Alternator Regulator 28V	10,000 flight hours
02-7150-55112R4	Alternator Regulator 28V	10,000 flight hours or 10 years *
05-7150-E002901	Alternator Regulator 28V	10,000 flight hours
06-7150-E015301	ALTREG Loom	10,000 flight hours, periodical maintenance must be observed**
05-7151-E000801	Glow Plug Controller	10,000 flight hours

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Part Number	Description	Life time
02-7210-07940R4	Assy Gearbox 14V – Hose	1,200 flight hours or 15 years *, periodical maintenance must be observed**
02-7210-07941R4	Assy Gearbox 14V – Pipe	1,200 flight hours or 15 years *, periodical maintenance must be observed**
02-7210-07942R4	Assy Gearbox 28V – Hose	1,200 flight hours or 15 years *, periodical maintenance must be observed**
02-7210-07943R4	Assy Gearbox 28V – Pipe	1,200 flight hours or 15 years *, periodical maintenance must be observed**
02-7210-07944R4	Assy Gearbox DA42 28V – Hose	1,200 flight hours or 15 years *, periodical maintenance must be observed**
02-7210-07945R4	Assy Gearbox DA42 28V – Pipe	1,200 flight hours or 15 years *, periodical maintenance must be observed**
05-7212-K0334xx	Assy Gearbox 14V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0413xx	Assy Gearbox 14V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0435xx	Assy Gearbox 14V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0358xx	Assy Gearbox 14V (TAE 125-02-114)	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0415xx	Assy Gearbox 14V (TAE 125-02-114)	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0437xx	Assy Gearbox 14V (TAE 125-02-114)	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0360xx	Assy Gearbox DA40 14V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0333xx	Assy Gearbox 28V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0414xx	Assy Gearbox 28V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0436xx	Assy Gearbox 28V	3,700 flight hours, periodical maintenance must be observed**

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Part Number	Description	Life time
05-7212-K0359xx	Assy Gearbox 28V (TAE 125-02-114)	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0416xx	Assy Gearbox 28V (TAE 125-02-114)	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0438xx	Assy Gearbox 28V (TAE 125-02-114)	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0335xx	Assy Gearbox DA42	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0439xx	Assy Gearbox DA42	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0417xx	Assy Gearbox DA42 28V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0440xx	Assy Gearbox DA42 28V	3,700 flight hours, periodical maintenance must be observed**
05-7212-K0418xx	Assy Gearbox DA42 28V (TAE 125-02-114)	3,700 flight hours, periodical maintenance must be observed**
02-7610-55001R1	Assy FADEC 14V	10,000 flight hours, periodical maintenance must be observed**
02-7610-55180R1	Assy FADEC 14V	10,000 flight hours, periodical maintenance must be observed**
05-7610-E000102	Assy FADEC 14V	10,000 flight hours, periodical maintenance must be observed**
05-7611-K000101 05-7611-K000102	Assy FADEC 14V	10,000 flight hours, periodical maintenance must be observed**
02-7610-55003R1	Assy FADEC 28V	10,000 flight hours, periodical maintenance must be observed**
02-7610-55181R1	Assy FADEC 28V	10,000 flight hours, periodical maintenance must be observed**
05-7610-E000201	Assy FADEC 28V	10,000 flight hours, periodical maintenance must be observed**
05-7611-E001903 05-7611-E001904 05-7611-E001906	TAE FADEC D4 / D48	10,000 flight hours, periodical maintenance must be observed**
05-7150-E000401 05-7150-E000402	Assy Glow Plug Control D4 dicht	10,000 flight hours
05-7151-E000401 05-7151-E000402	Assy Glow Plug Control D4	10,000 flight hours

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Part Number	Description	Life time
05-7254-K000204	Assy Oil Separator	10,000 flight hours
40-7250-K001601	Assy Oil Separator	10,000 flight hours
50-7250-H001601	Assy Oil Separator	10,000 flight hours
52-7250-H004001	Assy Oil Separator	10,000 flight hours
02-7150-55055R1	Assy AltReg Loom 14V	10,000 flight hours, periodical maintenance must be observed**
05-7150-E001101 05-7150-E001102	Assy AltReg Loom 14V	10,000 flight hours, periodical maintenance must be observed**
50-7150-E000302 50-7150-E000303	Assy AltReg Loom 14V DA40	10,000 flight hours, periodical maintenance must be observed**
05-7150-E001201 05-7150-E001202 05-7150-E001203	Assy AltReg Loom 28V	10,000 flight hours, periodical maintenance must be observed**
02-7150-55050R1	Assy AltReg Loom 28V	10,000 flight hours, periodical maintenance must be observed**
52-7150-E000102 52-7150-E000103	Assy AltReg Loom DA42	10,000 flight hours, periodical maintenance must be observed**
60-7150-E000101	Assy AltReg Loom DR400	10,000 flight hours, periodical maintenance must be observed**

***** **whichever occurs first.**
****** **in accordance with the current OM-02-01 / OM-02-02 / OM-02-02B Chapter 5 and 6.**

Approval: *The technical content of this document is approved under the authority of the DOA ref. EASA.21J.010.*