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SB CG 300-1001 P1, Revision 1

SERVICE BULLETIN PRIORITY 1 – SAFETY

Service Bulletin No. / Date: SB CG 300-1001 P1, Revision 1 / October 9, 2023

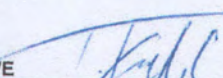
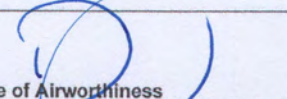
Subject: Additional Engine Oil Analysis and Engine Oil Filter Shipment

Type affected: Centurion 3.0 (CD-300)

Models affected: The following engine S/N are affected:

06-01-00027	06-01-00043	06-01-00055	06-01-00069	06-01-00080	06-01-00096
06-01-00032	06-01-00044	06-01-00057	06-01-00070	06-01-00081	06-01-00097
06-01-00034	06-01-00045	06-01-00058	06-01-00071	06-01-00082	06-01-00098
06-01-00035	06-01-00046	06-01-00060	06-01-00072	06-01-00083	06-01-00099
06-01-00036	06-01-00047	06-01-00061	06-01-00073	06-01-00084	
06-01-00037	06-01-00048	06-01-00062	06-01-00074	06-01-00088	
06-01-00038	06-01-00049	06-01-00063	06-01-00075	06-01-00089	
06-01-00039	06-01-00050	06-01-00064	06-01-00076	06-01-00092	
06-01-00040	06-01-00051	06-01-00065	06-01-00077	06-01-00093	
06-01-00041	06-01-00052	06-01-00066	06-01-00078	06-01-00094	
06-01-00042	06-01-00054	06-01-00067	06-01-00079	06-01-00095	

Classification: Category P1 – Safety

Checked T. Kreißl, CVE 	Approved D. Hartung, Office of Airworthiness 
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Replaces Service Bulletin No. / Date:
SB CG 300-1001 P1, Initial Issue / September 29, 2023

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Time of Compliance:

Measures have to be accomplished according to actual flight hours and the amount of conducted engine oil analysis.

- a) Flight hours (fh) are between 6 fh and 100 fh, no engine oil exchange was carried out and no engine oil sample is available.
Compliance time is 3 fh, flights are limited to VFR conditions. Refer to correction (1).
- b) Flight hours (fh) are below 100 fh, an engine oil exchange was carried out and the engine oil sample is available. Carry out the oil analysis immediately. Refer to correction (2).
Compliance time for the next analysis is 50 fh or next scheduled maintenance, whatever occurs first. Refer to correction (1).
- c) Flight hours (fh) are above 100 fh, engine oil exchange was carried out and the engine oil sample is available. Carry out the oil analysis immediately. Refer to correction (2).
Compliance time for the next analysis is 100 fh or next scheduled maintenance, whatever occurs first. Refer to correction (1).
If engine oil samples are not available → proceed to a)

If the oil analysis is carried out for the first time, further operation is prohibited until the result of the oil analysis is available and verified.

Reason:

An incident of a power loss was reported. The investigation revealed that the loss of power was caused by a failed main bearing what resulted in an engine failure. The root cause was not fully determined. Continental Aerospace Technologies GmbH has decided to monitor the engine oil closely to identify any abnormalities at an early stage.

Correction:

- (1) Carry out an engine oil analysis in accordance with OM-06-01, Chapter 6 (Annex 18), submit the results and send the oil filter to Continental Aerospace Technologies GmbH for further analysis. After approval by Continental Aerospace Technologies GmbH, other laboratories may also carry out the analysis of the oil filter.
- (2) Oil analysis of all previous collected engine oil samples as required by OM-06-01, Chapter 6 (Annex 5) and carry out the engine oil analysis in accordance with OM-06-01, Chapter 6 (Annex 18), submit the results to Continental Aerospace Technologies GmbH.

- ◆ **Note:** An oil exchange is not strictly necessary for the oil analysis. Unless this is required by the scheduled maintenance action.

Introduction of additional maintenance tasks:

Additional 3-6 h (since new) maintenance action:

Carry out an engine oil analysis in accordance with OM-06-01, Chapter 6 (Annex 18), submit the results and send the oil filter to Continental Aerospace Technologies GmbH for further analysis.



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Additional 50 h (since new) maintenance action:
Carry out an engine oil analysis in accordance with OM-06-01, Chapter 6 (Annex 18), submit the results and send the oil filter to Continental Aerospace Technologies GmbH for further analysis.

Additional maintenance action every 100 h:
Carry out an engine oil analysis in accordance with OM-06-01, Chapter 6 (Annex 18), submit the results to Continental Aerospace Technologies GmbH.

Remarks: Labor Effort: 0.5 hours

Parts:

Item	Part Number	Description	Quantity
1	06-9900-19103R1	Bottle 100ml (for the additional 3-6h and 50h maintenance task)	1
	NV-0000-02358 01	Oil analysis set	
2	06-7251-K000201	Oil filter set	1
2.1	06-7251-K001301	Oil filter cartridge	1
2.2	06-7251-K001101	O-ring, stick oil filter	1
2.3	06-7251-K001201	O-ring, cover oil filter	1
3	NM-0000-0192601	Sealing ring	1

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