

CRITICAL SERVICE BULLETIN

COMPLIANCE NECESSARY TO MAINTAIN SAFETY

CSB26-04TECHNICAL PORTIONS
FAA ACCEPTED

SUBJECT: Inspection, Removal and Replacement of Affected Oil Sumps, P/N 652423

PURPOSE: Notify customers of inspection and replacement requirement for affected oil sumps part number 652423

COMPLIANCE: For engines or oil sumps identified in the Models Affected section, accomplish the inspection in accordance with Section IV and perform corrective action in accordance with Section V, as applicable, using the following criteria:

A. Initial Inspection

1. For engines or oil sumps with **less than 50 hours time in service**, perform an initial inspection within **25 flight hours**.
2. For engines or oil sumps with **50 or more hours time in service**, perform an initial inspection within **10 flight hours**.

B. Inspection Results

1. If the oil sump is the unaffected design, no further action is required.
2. If the oil sump is the affected design and cracks are found, replace the oil sump in accordance with Section V before further flight.
3. If the oil sump is the affected design and no cracks are found, repeat the inspection at intervals not to exceed 10 flight hours until the affected oil sump is replaced.

C. Preflight Check

Prior to each flight, visually check for evidence of oil leakage on the ground and/or lower cowling.

MODELS

AFFECTED: New or Rebuilt IO-550-G, N; TSIO-550-K, N engine models (see Section II) and associated spare parts shipped between September 24, 2025 and April 29, 2026

I. GENERAL INFORMATION

Continental discovered Part No. 652423 oil sumps shipped on engines or as spares between September 24, 2025 and April 29, 2026 may be prone to fracturing and leaking oil as shown in Figure 3. For engines or replacement parts acquired during this time frame, removal and replacement of Part No. 652423 may be required. A list of engines assembled with oil sumps, Part No. 652423 follows this section.

1. For engine serial numbers listed in Section II without an engine logbook compliance record of CSB26-04, proceed with the inspection instructions in Section IV.

2. If the sump was replaced between September 24, 2025 and April 29, 2026 without an engine logbook compliance record of CSB26-04, proceed with the inspection instructions in Section IV.

II. AFFECTED ENGINE SERIAL NUMBERS

Engine serial numbers listed in the following tables were assembled using oil sump, Part No. 652423.

Table 1. IO-550-G Serial Numbers ¹						
1049379	1049783	1049941	1050196	1050198	1050824	1050785

1. Serial numbers in this table were assembled with oil sump part number 658690, which is manufactured from part number 652423.

Table 2. IO-550-N Serial Numbers									
1049714	1049718	1049778	1049779	1049780	1049784	1049812	1049814	1049816	1049817
1049818	1049819	1049820	1049830	1049845	1049846	1049867	1049884	1049886	1049899
1049915	1049924	1049925	1049934	1049952	1049963	1049965	1049974	1049975	1049989
1049990	1049994	1049995	1049998	1049999	1050007	1050010	1050018	1050020	1050069
1050071	1050073	1050075	1050089	1050090	1050091	1050092	1050114	1050117	1050118
1050119	1050154	1050156	1050157	1050159	1050189	1050190	1050191	1050201	1050207
1050208	1050214	1050216	1050218	1050219	1050227	1050228	1050229	1050236	1050267
1050269	1050271	1050273	1050275	1050279	1050280	1050281	1050283	1050296	1050298
1050300	1050302	1050305	1050306	1050313	1050315	1050318	1050331	1050333	1050336
1050337	1050350	1050355	1050360	1050370	1050372	1050374	1050412	1050414	1050416
1050418	1050432	1050443	1050445	1050447	1050466	1050472	1050473	1050474	1050475
1050477	1050478	1050479	1050496	1050498	1050509	1050510	1050525	1050571	1050573
1050600	1050602	1050606	1050619	1050625	1050649	1050661			

Table 3. TSIO-550-K Serial Numbers									
1049774	1049775	1049776	1049777	1049831	1049832	1049833	1049834	1049835	1049836
1049837	1049850	1049851	1049852	1049853	1049854	1049855	1049856	1049857	1049858
1049859	1049860	1049861	1049862	1049863	1049864	1049865	1049866	1049883	1049887
1049888	1049889	1049890	1049891	1049892	1049893	1049894	1049895	1049896	1049897
1049898	1049919	1049920	1049921	1049922	1049923	1049926	1049927	1049928	1049929
1049930	1049931	1049932	1049953	1049954	1049955	1049956	1049957	1049958	1049959
1049960	1049961	1049962	1049964	1049966	1049967	1049968	1049969	1049970	1049971
1049972	1049988	1049993	1049996	1049997	1050000	1050001	1050002	1050003	1050004

Table 3. TSIO-550-K Serial Numbers (Continued)									
1050005	1050008	1050012	1050014	1050015	1050016	1050017	1050019	1050021	1050068
1050070	1050072	1050074	1050076	1050077	1050078	1050079	1050080	1050081	1050082
1050083	1050084	1050085	1050086	1050087	1050088	1050170	1050171	1050172	1050173
1050174	1050175	1050176	1050177	1050178	1050200	1050202	1050203	1050204	1050205
1050206	1050209	1050210	1050211	1050212	1050213	1050215	1050217	1050223	1050268
1050270	1050272	1050274	1050297	1050299	1050301	1050303	1050314	1050316	1050317
1050319	1050320	1050321	1050338	1050339	1050340	1050341	1050342	1050343	1050344
1050345	1050346	1050347	1050361	1050371	1050373	1050375	1050376	1050377	1050413
1050415	1050417	1050419	1050420	1050421	1050444	1050446	1050448	1050449	1050450
1050451	1050452	1050453	1050454	1050455	1050456	1050476	1050480	1050482	1050483
1050484	1050485	1050486	1050487	1050516	1050517	1050518	1050520	1050521	1050522
1050523	1050526	1050527	1050528	1050529	1050530	1050531	1050532	1050570	1050572
1050574	1050576	1050577	1050579	1050581	1050584	1050599	1050601	1050603	1050605
1050607	1050608	1050610	1050611	1050620	1050644	1050645	1050695		

III. IDENTIFICATION OF AFFECTED PARTS

Use the following figures to determine whether Part No. 652423 is of the unaffected or affected design. The affected oil sump can be identified by a tight radius above the drain boss.

Identification of Oil Sump Design



Figure 1. Unaffected Oil Sump Design



Figure 2. Affected Oil Sump Design

IV. INSPECTION

- Determine whether the oil sump is the unaffected or affected design according to Section III.
- If the oil sump is the unaffected design shown in Figure 1, no further action is required. Record the inspection and compliance with CSB26-04 in the engine logbook.

- If the oil sump is the affected design shown in Figure 2, inspect the area circled in Figure 3 for any visible cracks without magnification. It is permissible to use a borescope or other flexible scope for visual inspection of the area.
- If no cracks are found, the oil sump may remain in service; repeat this inspection at intervals not to exceed 10 flight hours until the affected oil sump is replaced according to instructions in Section V.
- If any cracks are found, replace the oil sump according to the instructions in Section V before further flight.



Figure 3. Affected Oil Sump Inspection Area

V. REMOVAL AND REPLACEMENT

1. Remove the engine according to the instructions in the aircraft's primary Instructions for Continued Airworthiness (ICA).
2. Remove the oil sump from the engine according to the instructions in Chapter 12 of the engine's primary ICA (see Table 4).
3. Install an unaffected oil sump onto the engine according to the instructions in Chapter 17 of the engine's primary ICA.
4. Install the engine according to the instructions in the aircraft's primary ICA.
5. Record the installation of oil sump and compliance with CSB26-04 in the engine logbook.

Table 4. Engine ICAs

Engine Model	Primary ICA
IO-550-G, N	M-16
TSIO-550-K, N	M-18

VI. WARRANTY

Standard warranty practices apply. Visit the Continental web site at www.continental.aero to obtain copies of Continental Warranty Policies.

Complete and email a copy of the linked [Compliance Form](#), along with a copy of the work invoice (*and a copy of the repair agency's W-9 if the repairs are accomplished by a repair facility in the Continental United States*) upon completion for reimbursement. Continental reserves the right to request copies of invoices and maintenance records to verify warranty applicability.

A. Allowances/Reimbursements

Eligible Allowance / Reimbursement Type		Labor Hours ¹
IO-550-G, N	Remove and replace oil sump	18
TSIO-550-K, N	Remove and replace oil sump	25

1. Not to exceed allowable hours at published shop rate

B. Contact Us

Contact Continental Technical Services at one of the numbers listed below if you have any questions concerning the technical content of this Service Document.

1.888.826.5465 Toll Free in the United States
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