



# Technical Service Bulletin

Technical Service Bulletin: TSB230143

Released Date: 14-Aug-2023

C13N6H, C17N6H, C20N6H, C20N6HC Engine Oil Capacity Publication Update

## C13N6H, C17N6H, C20N6H, C20N6HC Engine Oil Capacity Publication Update

### Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

### Contents

#### Product Affected

- C13N6H - All Specs
- C17N6H - All Specs
- C20N6H - All Specs
- C20N6HC - All Specs

#### Description of Change Summary

The maximum oil capacity specification was changed late in development from 2.3 L (2.4 Qt) to 2.0 L (2.1 Qt). Product manuals listed below in Table 2 were not updated with the change.

#### Service Instructions

When installing new units **always** check the engine lubricating oil level to ensure the engine lubricating oil level is between the max full line (F) and the minimum full line (L). If the engine lubricating oil is above the full line, engine lubricating oil **must** be drained until the level is appropriately within between the hashed area marks on the dipstick. See Figure 1 for acceptable lubricating engine oil level reading on the dipstick.



Figure 1, Dipstick Reading

When changing the engine lubricating oil, all the old engine lubricating oil may **not** drain out of the engine crank case, reducing the allowable volume of new engine lubricating oil to be added. Do **not** simply add the max capacity of engine lubricating oil when performing an engine lubricating oil change. Add 80% of the maximum engine lubricating oil capacity and allow ample time for the engine lubricating oil to drain into the engine crank case before checking the level and adding more if required.

**Note:** Allowable engine lubricating oil volume is reduced if the engine lubricating oil filter is not replaced. Cummins Inc. recommends changing the engine lubricating oil filter whenever the engine lubricating oil is drained. The standard engine lubricating oil filter holds approximately 0.2 L (0.2 Qt) of engine lubricating oil.

**Table 1, Engine Oil Capacity for QSJ999 Engine**

Service Event	Max Capacity (Full Line)	80% of Max Capacity
Engine Oil Change Only	1.8 L (1.9 Qt)	1.5 L (1.6 Qt)
Engine Oil Change & Oil Filter Change	2.0 L (2.1 Qt)	1.6 L (1.7 Qt)

**Publications Affected / Associated Publications**

<b>Table 2, Publications Affected</b>				
<b>Manual Type</b>	<b>Manual Number</b>	<b>Procedure Title</b>	<b>Procedure</b>	<b>Section</b>
Service Manual, Spec A	A053X177	Model Specifications	Table 4. Engine Specifications	Lubricating Oil Capacity
Operators Manual, Spec A	A053X174	Model Specifications	Table 4. Engine Specifications	Lubricating Oil Capacity
Installation Manual, Spec A	A053X172	Model Specifications	Table 4. Engine Specifications	Lubricating Oil Capacity
Service Manual, Spec B	A062J683	Model Specifications	Table 4. Engine Specifications	Lubricating Oil Capacity
Operators Manual, Spec B	A062J680	Model Specifications	Table 4. Engine Specifications	Lubricating Oil Capacity
Installation Manual, Spec B	A062J678	Model Specifications	Table 4. Engine Specifications	Lubricating Oil Capacity

## Document History

<b>Date</b>	<b>Details</b>
2023-7-18	Module Created

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**Last Modified: 14-Aug-2023**

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