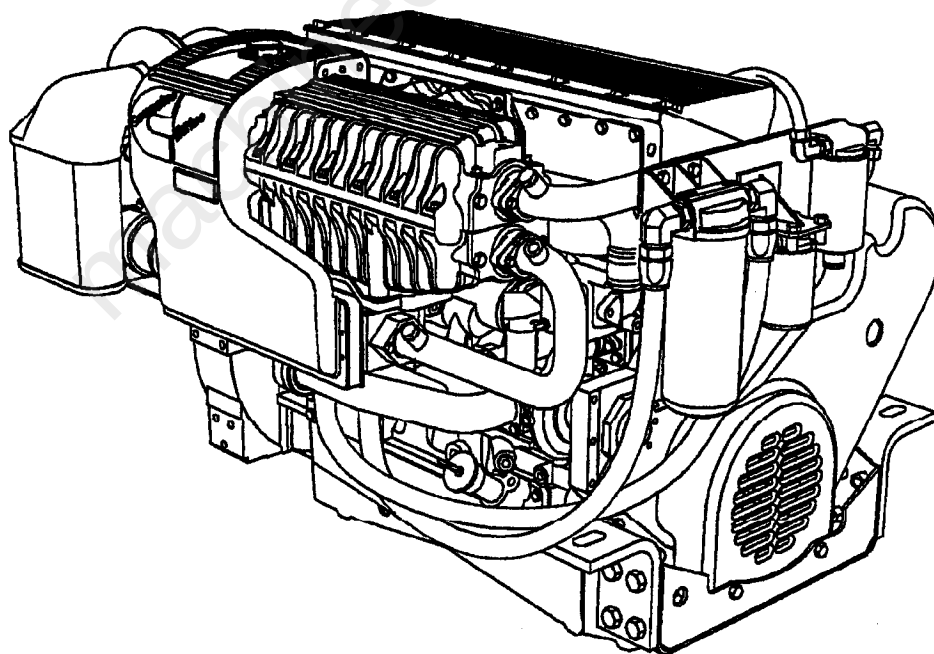
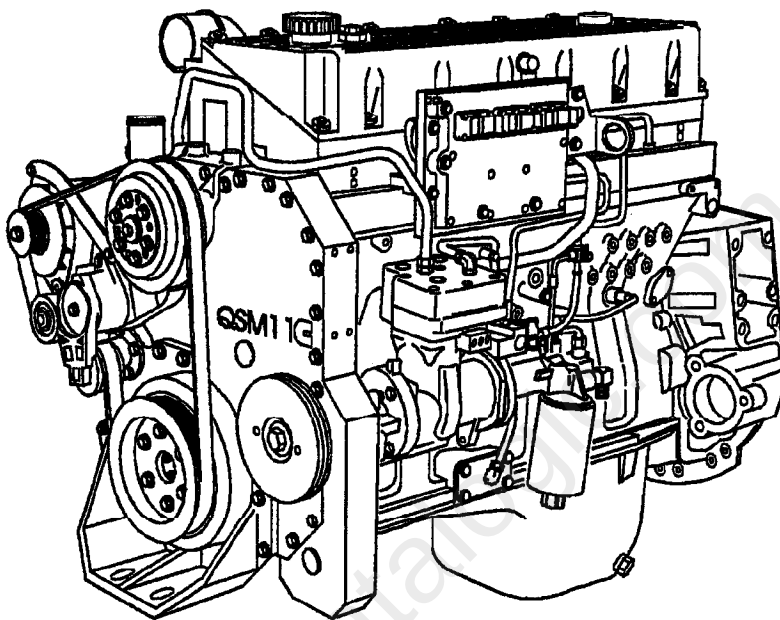




Operation and Maintenance Manual Marine and Industrial QSM11 Engine



19200008

Lubrication Engine lubricating oil

Plumbing Line Sizes:

Coolant Inlet and Outlet 3/4 x 16 STOR
Air Inlet 1-in nominal hose
Air Outlet M27 x 2 STOR
Unloader Port M10 x 1 STOR
Governor Mounting Direct M8 x 1.25

Height, Overall (approximate) 217.4 mm [8.559 in]

Width, Overall (approximate) 142 mm [5.591 in]

Length, Overall (approximate) 216 mm [8.504 in]

Weight (approximate) 15 kg [33.0 lb]

Cummins 37.4 CFM Model

Cylinders 2

Compressor Swept Volume at 1250 rpm 15.5 l/sec. [35.5 cfm]

Piston Displacement 636 cc [39 C.I.D.]

Bore 85 mm [3.35 in]

Stroke 56 mm [2.2 in]

Speed Engine speed

Cooling Engine coolant

Lubrication Engine Oil

Plumbing Line Sizes:

Coolant Inlet and Outlet 3/4 x 16 STOR
Air Inlet 1-in nominal hose
Air Outlet M27 x 2 STOR
Unloader Port M10 x 1 STOR
Governor Mounting Direct M8 x 1.25

Height, Overall (approximate) 306 mm [12 in]

Width, Overall (approximate) 142 mm [5.6 in]

Length, Overall (approximate) 286.7 mm [11.29 in]

Weight (approximate) 17.24 kg [38 lb]

Electrical System

Marine and Industrial Applications

Starting Motor Circuit:

Maximum Resistance:

12 VDC 0.00075 ohm
24 VDC 0.002 ohm

Maximum Voltage Drop:

12 VDC 1.95 VDC
24 VDC 1.7 VDC

Marine Applications

Unaided Cold Start:

Maximum Ambient Temperature -7°C [19°F]
Minimum Cranking Speed Required 120 rpm

Industrial Applications

Unaided Cold Start:

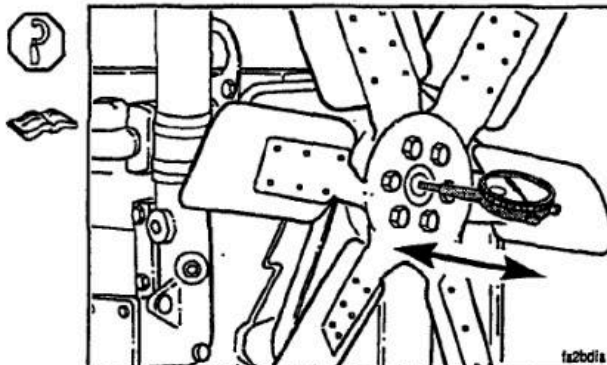
Maximum Ambient Temperature -12°C [10°F]

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Measure the fan hub end clearance.

Fan Hub End Clearance		
mm		in
0.08	MIN	0.003
0.41	MAX	0.016

Replace or rebuild the fan hub if the end clearance does not meet these specifications. Refer to Section A for the replacement procedure. Refer to the shop manual listed in Section L for rebuilding procedures, or contact your local Cummins Authorized Repair Location for rebuilding the fan hub.



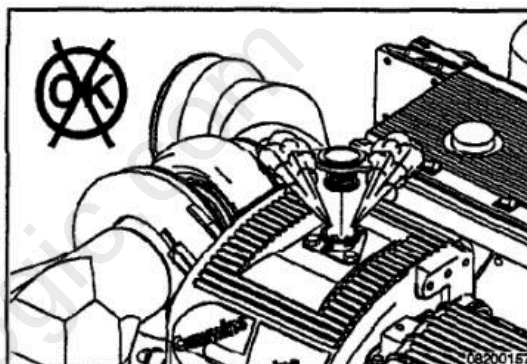
Cooling System

Flush

Marine and Industrial Applications



Do not remove the pressure cap from a hot engine. Wait until the coolant temperature is below 50°C [120°F] before removing the pressure cap. Heated coolant spray or steam can cause personal injury.



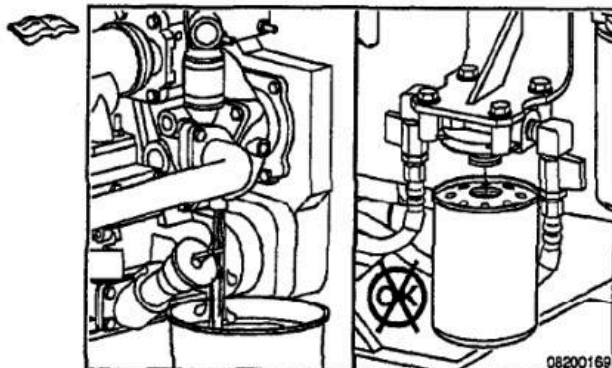
RESTORE™ is a heavy-duty cooling system cleaner that removes corrosion products, silica gel, and other deposits. The performance of RESTORE™ is dependent on time, temperature, and concentration levels. An extremely scaled or flow-restricted system, for example, can require higher concentrations of cleaners, higher temperatures, or longer cleaning times or the use of RESTORE Plus™. Up to twice the recommended concentration levels of RESTORE™ can be used safely. RESTORE Plus™ must be used only at its recommended concentration level. Extremely scaled or fouled systems can require more than one cleaning.



Coolant is toxic. Keep away from children and animals. If not reused, dispose of in accordance with local environmental regulations.

Drain the cooling system. Do not allow the cooling system to dry out.

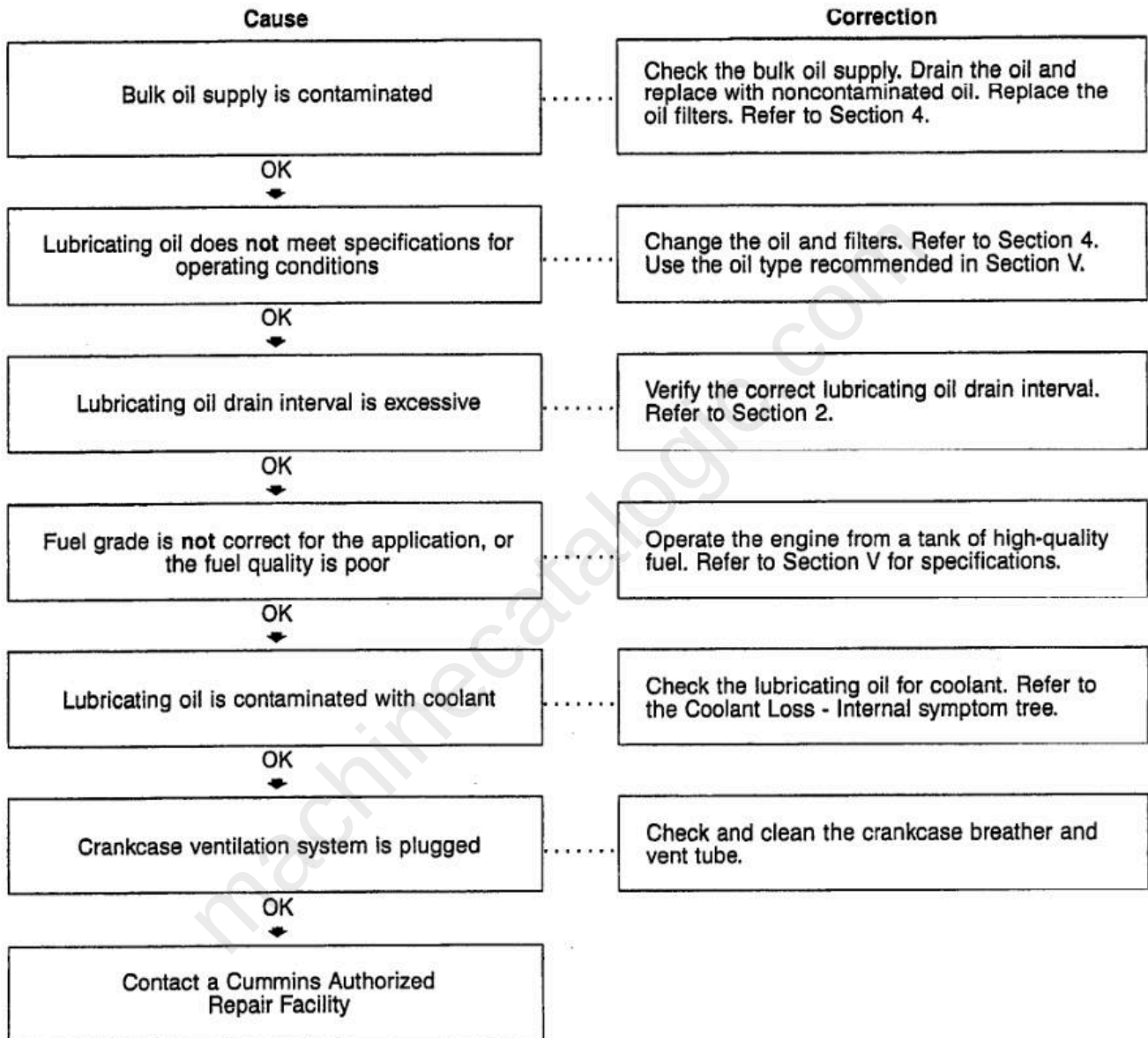
Do not remove the coolant filter.



Engine Shuts Off Unexpectedly or Dies During Deceleration (Continued)

Cause	Correction
Fuel grade is not correct for the application, or the fuel quality is poor	Operate the engine from a tank of high-quality fuel. Refer to Section V for specifications.
OK ↓	
Contact a Cummins Authorized Repair Facility	

Lubricating Oil Sludge in the Crankcase Excessive



Full Version Available

Cummins QSM11 Engine Operation and Maintenance Manual

Cummins QSM11 engine operation and maintenance manual covering service intervals, lubrication, fluids and filters. English PDF, 329 pages.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/cummins-qsm11-engine-operation-and-maintenance-manual/>

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