

**INCH-POUND**

MIL-E-23457B(SHIPS)  
AMENDMENT 1  
16 October 1990

MILITARY SPECIFICATION

ENGINES, DIESEL MARINE, PROPULSION AND AUXILIARY,  
MEDIUM SPEED

This amendment forms a part of MIL-E-23457B(SHIPS), dated 3 March 1976, and is approved for use by the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

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3.8.4.7: Add the following paragraph:

"3.8.4.7 Lubricating oil preheat. Engines shall be equipped with a lubricating oil heating system to maintain the lubricating oil at a temperature of 110 degrees Fahrenheit (°F) plus or minus 10 degrees Fahrenheit (°F) when the engine is secured. The system shall employ forced circulation to distribute the oil through the external lubricating oil piping and the engine oil sump. The heating system shall be equipped with both manual and automatic shut-off devices. The automatic shut-off shall secure the system in the event of a loss of engine lube oil or an engine start. This system may be combined with the lubricating oil priming pump in 3.8.4.5.

Preparing activity:  
Navy - SH

(Project 2815-N168)

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