

## General Information

Perform maintenance at whichever interval occurs first. At each scheduled maintenance interval, perform all previous maintenance checks that are due for scheduled maintenance.

### Maintenance Procedures at Daily Interval (Section 3)

- Marine Gear Oil - Check<sup>1</sup>
- Sea Water Strainer - Clean
- Coolant Level - Check
- Fuel-Water Separator - Drain
- Lubricating Oil Level - Check
- Air Cleaner Assembly (Engine-Mounted) - Check

### Maintenance Procedures at 250 Hours or 6 Months (Section 4)

- Zinc Anode - Replace<sup>2</sup>

### Maintenance Procedures at 250 Hours or 1 Year (Section 5)

- Lubricating Oil and Filters - Change<sup>3</sup>

### Maintenance Procedures at 500 Hours or 1 Year (Section 6)

- Sea Water Pump - Repair
- Sea Water Hoses - Check
- Fuel-Water Separator - Change
- Fuel Filter (Spin-On Type) - Change
- Supplemental Coolant Additive (SCA) and Antifreeze Concentration - Check
- Coolant Filter - Change<sup>4</sup>
- Radiator Pressure Cap - Check
- Air Cleaner Assembly (Engine-Mounted) - Clean<sup>5</sup>
- Air Intake Piping - Check
- Batteries - Check
- Battery Cable and Connections - Check
- Engine Wiring Harness - Check
- Engine Mounting Bolts - Inspect for Reuse
- Marine Vibration Isolator - Check
- Heat Exchanger - Flush
- Marine Gear Oil Cooler - Flush
- Marine Gear Oil and Fuel Cooler Assembly - Flush
- Aftercooler Assembly (Sea Water) - Flush

### Maintenance Procedures at 1500 Hours (Section 7)

- Overhead Set - Adjust<sup>6</sup>

### Maintenance Procedures at 3 Years (Section 8)

- Aftercooler Assembly (Sea Water) - Inspect for Reuse<sup>7</sup>

### Maintenance Procedures at 2000 Hours or 4 Years (Section 9)

- Cooling System - Flush<sup>8</sup>
- Vibration Damper, Viscous - Clean

1. Follow the gear manufacturers recommended maintenance procedures for checking, filling, and changing oil. Some gear manufacturers require an initial oil change at low hours, in addition to their regular maintenance.
2. Depending upon the quality of electrical bonding and water conditions, increased maintenance of the zinc anode plugs could possibly be necessary.
3. The lubricating oil and filter change interval is 500 hours if Ultra Low Sulphur Diesel (ULSD) fuel is exclusively used.
4. Do **not** change the coolant filter if the SCA concentration level is over three units.
5. For engines equipped with a disposable air cleaner, the air cleaner **must** be replaced at this interval. To determine if the air cleaner is disposable, check the part number on the air cleaner. Refer to Procedure 018-024 in Section V.  
(/qs3/pubsys2/xml/en/procedures/45/45-018-024-om-mar.html)
6. Engines with rated power under 450hp **only** need the overhead set at 5000 hours.
7. Use the Clean and Inspect for Reuse section in the following procedure. Refer to Procedure 010-005 in Section 6. (/qs3/pubsys2/xml/en/procedures/45/45-010-005-om-mar.html)
8. This cooling system requirement to flush at this scheduled maintenance includes: drain, flush, and fill.