Ring Power CAT

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Service Information System

◁ Product: MARINE ENGINE
Model: 3406E MARINE ENGINE 9WR
Configuration: 3406E Marine Engine 9WR00001-UP

Operation and Maintenance Manual
3406E and C15 Marine Engines
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Maintenance Interval Schedule - Prime Power

SMCS - 1000; 4450; 7500

Ensure that all safety information, warnings, and instructions are read and understood before any operation or any maintenance procedures are performed.

The user is responsible for the performance of maintenance, including all adjustments, the use of proper lubricants, fluids, filters, and the replacement of components due to normal wear and aging. Failure to adhere to proper maintenance intervals and procedures may result in diminished performance of the product and/or accelerated wear of components.

Use mileage, fuel consumption, service hours, or calendar time, WHICH EVER OCCURS FIRST, in order to determine the maintenance intervals. Products that operate in severe operating conditions may require more frequent maintenance.

Note: Before each consecutive interval is performed, all maintenance from the previous interval must be performed.

When Required

Battery - Replace
Battery or Battery Cable - Disconnect
Coolant - Change
Coolant Extender (ELC) - Add
Engine - Clean
Engine Oil Level Gauge - Calibrate
Engine Storage Procedure - Check
Fuel System - Prime
Heat Exchanger - Inspect
Maintenance Recommendations
Sea Water Strainer - Clean/Inspect
Zinc Rods - Inspect/Replace

Daily

Coolant Level - Check
Engine Air Cleaner Service Indicator - Inspect
Engine Oil Level - Check
Fuel System Primary Filter/Water Separator - Drain
Walk-Around Inspection

Every 50 Service Hours or Weekly

Aftercooler Condensate Drain Valve - Inspect/Clean
Sea Water Strainer - Clean/Inspect
Zinc Rods - Inspect/Replace

Initial 500 Hours (for New Systems, Refilled Systems, and Converted Systems)

Coolant Sample (Level 2) - Obtain

Every 500 Service Hours

Coolant Sample (Level 1) - Obtain

Every Year

Coolant Sample (Level 2) - Obtain

Every 6000 Service Hours or 6 Years

Aftercooler Core - Replace

First 14 400 L (3750 US gal) of Fuel or 250 Service Hours

Engine Valve Lash - Check
Engine Valve Rotators - Inspect
Fuel Injector - Check

Every 14 400 L (3750 US gal) of Fuel or 250 Service Hours or 1 Year

Battery Electrolyte Level - Check
Belts - Inspect/Adjust/Replace
Cooling System Supplemental Coolant Additive (SCA) - Test/Add
Engine - Clean
Engine Air Cleaner Element (Single Element) - Inspect/Clean/Replace
Engine Oil Sample - Obtain
Fuel System Primary Filter (Water Separator) Element - Replace
Fuel System Secondary Filter - Replace
Fuel Tank Water and Sediment - Drain
Hoses and Clamps - Inspect/Replace

Every 14 400 L (3750 US gal) of Fuel or 250 Service Hours or 1 Year (Shallow Sump)

Engine Oil and Filter - Change

Every 28 500 L (7500 US gal) of Fuel or 500 Service Hours or 1 Year (Deep Sump)

Engine Oil and Filter - Change

Every 57 000 L (15 000 US gal) of Fuel or 1000 Service Hours

Turbocharger - Inspect

Every 57 000 L (15 000 US gal) of Fuel or 1000 Service Hours or 2 Years

Aftercooler Core - Clean/Test

Every 170 400 L (45 000 US gal) of Fuel or 3000 Service Hours

Auxiliary Water Pump (Bronze Impeller) - Inspect
Coolant Temperature Regulator - Replace
Crankshaft Vibration Damper - Inspect
Engine Mounts - Inspect
Engine Speed/Timing Sensor - Clean/Inspect
Engine Valve Lash - Check
Engine Valve Rotators - Inspect
Fuel Injector - Check
Heat Exchanger - Inspect
Starting Motor - Inspect

Every 284 000 L (75 000 US gal) of Fuel or 5000 Service Hours

Alternator - Inspect
Water Pump - Inspect

Every 570 000 L (150 000 US gal) of Fuel or 10 000 Service Hours

Maintenance Recommendations
Overhaul (Major)

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