

4.2. Periodical Inspection & Maintenance

In order to insure maximum, trouble-free engine performance at all times, regular inspection, adjustment and maintenance are vital before occurring any problems.

- Daily inspections in below figure should be checked every day.
- The following maintenance details should be executed thoroughly at regular intervals.

Inspection		Daily	Every 50 hrs	Every 100 hrs	Every 250 hrs	Every 500 hrs	Every 600 hrs	Every 1,000 hrs
Cooling System	Coolant level check and refill	•						
	Contamination of the coolant check and the quantity of the anti-freeze						•	1 Year change
	Heat-exchanger and water cooling line cleaning (Change O-Ring & Gasket)							1,200hr
	V-belt check and adjustment	•						2,000hrs change
	Check thermostat and clean or exchange for excessive corrosion							1 years
	Impeller of sea water pump check	•						2,000hr change
Lubrication System	Oil level check	•						
	Lubrication oil exchange		• 1st		•			
	Oil filter cartridge replacement		• 1st		•			
	Marine gear oil exchange			• 1st			•	
Intake Exhaust Fuel System	Air filter element cleaning & change			• Clean			• Change	
	Inter-cooler cleaning							•
	Turbocharger cleaning							2,000hrs
	Exhaust gas check	•						
	Priming pump strainer cleaning				•			
	Fuel tank check & cleaning		•					
	Water separator cleaning			•				
	Fuel filter exchange		• 1st			•		
	Fuel Injection timing check							1 year
Fuel Injection nozzle check							1 year	
Electrical System	Warning lamps check	•						
	Battery charging check	•						
	Wiring harness check						•	
Cylinder	Cylinder compression pressure check							• needed
	In./ Ex. valve clearance adjustment							•