



**MARINE 570** is prepared from a highly refined paraffin-base mineral base stock blending with selected super performance additives. This unique formulation has been specifically developed for engines burning residual fuel oils with sulfur content Max 2.5%.

**MARINE 570** has been developed for marine crosshead engines designed for increased power and fuel efficiency.

Such engines exhibit higher temperatures and pressures in the cylinder, which reduce the lubricant's viscosity and increase the loads which it must withstand.

Longer piston strokes have greatly increased the amount of surface to be protected and the amount of time the lubricant must withstand the severe cylinder temperatures and corrosive sulphur acids.

**MARINE 570** has also demonstrated superior performance in earlier engine designs.

To ensure achieving the maximum equipment life possible, particular attention should be paid to the manufacturer's special recommendations regarding the running-in of new rings and liners.

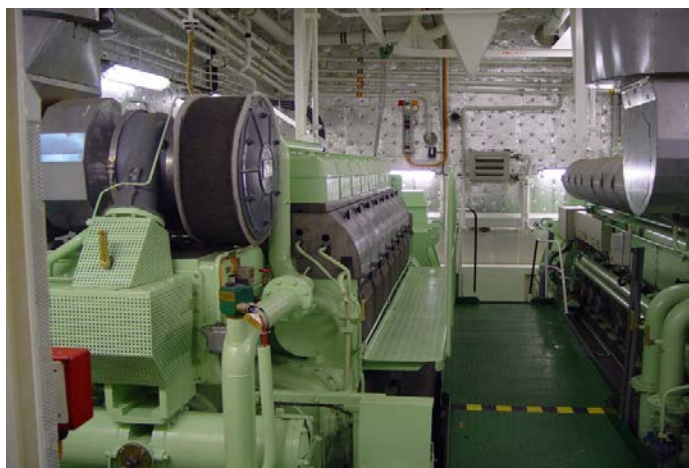
### Advantages:

- Excellent capability to neutralize acid outgrowths producing in combusting of poor fuels, protecting engine from acid corrosion.
- Excellent anti-wear performance to reduce the friction and wear-off of metallic components and extend the life of engine parts.
- Outstanding detergency and dispersancy to prevent carbon deposit at cylinder ring groove and cylinder liner and ensure the cleanness of engine combustion chamber.
- Exceptional diffusivity performance to drive oil quickly reaching and spreading out over the steel surface to form oil films to reduced liner and ring wear-off.

### Recommended Application:

- **MARINE 570** can be used for the lubrication of cylinder in marine low speed, cross-head diesel engine using fuel with sulfur content of Max 2.5%.

### Marine crosshead engines Lubricants



SAE viscosity grade	<b>50</b>
Density @ 15 °C, Kg/l	<b>0.93</b>
Kinematic viscosity (40°C), cSt	<b>230</b>
Kinematic viscosity (100°C), cSt	<b>23</b>
Pour point, °C	<b>-9</b>
Flash Point, °C	<b>258</b>
Viscosity Index	<b>107</b>
Total Base Number, mgKOH/g	<b>70</b>
Sulphated Ash, %Wt	<b>1.9</b>

