

# Masters Marina 1540 Oil

## *High and Medium speed diesel engine Oil*

Masters Marina 1540 Oil is designed for a high and medium-speed Marine engines.

It is ideally suited for turbocharged and naturally aspirated main and auxiliary engines of all types and all ratings, running on Gas Oil or Marine Diesel Oil.

It is a blend of highly refined, high viscosity index base oils, and additives that incorporate unique alkyl salicylate technology developed by Masters Research.

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### Applications

- Medium and high speed marine diesel engines burning heavy fuel with a relatively high sulphur content of between 1.0 to 3.5% weight.

### Performance Features

- **Unique alkyl salicylate additive technology**  
Imparts outstanding acid neutralising properties to counter corrosive wear resulting from the use of high sulphur fuels
- **Minimum deposit formation**  
Pistons, piston rings, ring grooves and under piston spaces
- **Excellent engine cleanliness**  
Extended interval between maintenance schedules .
- **Storage stability**  
Completely stable in storage under all the widely varying conditions encountered aboard ship
- **Sight-glass fluid compatibility**  
Compatible with all normal lubricator sight glass fluids

- Observe the engine manufacturers' recommended oil feed rates as the minimum.
- Equally distribute the oil between injection quills
- Ensure the lubricator drive system is well maintained and properly adjusted
- Clean and overhaul lubricator boxes according to engine manufacturers' recommendations

### Seal Compatibility

Masters Marina 1540 Oil is compatible with all normal oil seal materials.

### Advice

Advice on applications not covered in this leaflet may be obtained from the Lubricants Department, Alsa Petrochemical Plant, KM 36, Lagos Ibadan Express way, beside fagbems filling station, Mowe, Ogun state.

[Tel:+234-8063876663](tel:+234-8063876663)

### Performance Specifications

Masters Marina 1540 Oil meets the requirement of major manufacturers of medium and high speed diesel engines

To obtain optimum performance with Masters Marina 1540 Oil it is important to:

## Typical Physical Characteristics

<b>Masters Marina 1540 Oil</b>		
<b>SAE Viscosity Grade</b>		40
<b>Kinematic Viscosity</b> @ 40°C cSt 100°C cS † (IP 71)		147.5 15.0
<b>Viscosity Index</b> (IP 226)		102
<b>Density @ 15°C</b> kg/l (IP 365)		0.900
<b>Flash Point</b> °C (Pensky-Martens Closed Cup) (IP 34)		-
<b>Flash Point</b> °C (Cleveland Open Cup) (IP 36)		260
<b>Pour Point</b> °C (IP 15)		-9
<b>TBN-E</b> mg KOH/g (IP 276)		15
<b>Sulphated Ash</b> % wt (IP 163)		3.4

These characteristics are typical of current production. Whilst future production will conform to Masters's specification variations in these characteristics may occur.

## Health & Safety

Masters Marina 1540 Oil is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

For further guidance on Product Health & Safety refer to the appropriate Masters Product Safety Data Sheet.

### Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.