



# MARINE SO 630, SO 640

## Slow-Speed Engine Oils

Magic Plus Marine SO 630 and SO 640 are premium quality multipurpose system oils recommended for the crankcase lubrication of large low-speed marine diesel engines operating on residual fuels. The combination of detergency and the exceptional oxidation stability provides clean piston interiors and crankcase. Magic Plus Marine SO oils are formulated with the appropriate level of alkalinity to neutralize acidic combustion products that can enter the crankcase.

### Applications:

- Crankcase System of low speed, crosshead, and marine diesel engines operating on residual fuel
- Main and Auxiliary trunk piston diesel engines burning distillate fuels
- Turbochargers
- Geared transmission
- Oil Lubricated Stern tubes
- Variable Pitch propellers
- Deck Machinery

### Features & Benefits:

- Excellent thermal and oxidation stability
- Excellent dispersancy
- Good Alkalinity
- Good water shedding properties
- Excellent resistance to corrosion

### Specifications: (Meets / Exceeds)

- MAN
- Wartsila
- MHI

### Technical Data:

Parameters	ASTM	Unit	Typical Results	
			SAE 30	SAE 40
Viscosity Grade				
Viscosity @ 104 °F / 40 °C	D-7042	cSt	103	150
Viscosity @ 212 °F / 100 °C	D-7042	cSt	11.0	14.5
Viscosity Index	D-2270		90	95
Density @ 60 °F / 15 °C	D-4052	g/cm <sup>3</sup>	0.892	0.896
Flash Point (min)	D-92	°C	240	250
Pour Point (min)	D-97	°C	-12	-12
TBN	D-2896	mg KOH/g	6	6

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. For further Information on Safety Guidelines please refer to MSDS available on our website [magicplusoil.net](http://magicplusoil.net)

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