

Marine System Oil

Premium Mineral Technology

# RAK MARINE SO 630 & 640

**PRODUCT DESCRIPTION:**

RAK Marine SO 630 and 640 are multi purpose system oils designed, primarily for low speed, crosshead marine diesel engines operating on residual fuels. They are alkaline oils giving the highest levels of protection in a wide variety of engine and shipboard applications.

**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
- Other ancillary equipment requiring an SAE 30 or 40 oil

**Features:**

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

**Meets and Exceeds Performance Levels:**

- API: CI-4
- ACEA E7/A3/B3/B4
- Global DHD-1
- Cummins CES 20077/20078
- Cat ECF-2/ECF- 1a
- MB 228.3
- Volvo VDS-3
- MAN 3275
- MTU Type 2
- MACK EO-M Plus

**Typical Properties:**

PARAMETERS	TEST METHOD	UNIT	RAK MARINE SO 630	RAK MARINE SO 640
Grade			30	40
Kinematic Viscosity @ 104°F /40°C	ASTM D-445	cSt	103	150
Kinematic Viscosity @ 212°F /100°C	ASTM D-445	cSt	11.0	14.5
Viscosity Index (min)	ASTM D-2270	-	90	95
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm <sup>3</sup>	0.892	0.896
Flash Point (min)	ASTM D-92	°C	240	250
Pour Point (max)	ASTM D-97	°C	-12	-12
TBN	ASTM D-2896	Mg KOH/g	6	6

**HEALTH & SAFETY, ENVIRONMENT:**

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website