

MARINA BN12

Medium Speed Marine Diesel Engine Oil

MARINA is a high performance marine engine oil, with a base number of 12, blended using highly refined paraffinic base stocks with an advanced complex detergent and dispersant additive system. It resists oxidation and provides long life lubrication for modern engines that are operating in coastal shipping applications.

Product Applications:

- All types of medium-speed trunk piston marine diesel engines burning with low sulfur fuel
- Low oil consumption trunk pistons and medium-speed industrial marine propulsion systems
- Trunk piston engines burning distillate fuel with less than 1.2% sulphur content
- High oil stress engine conditions that usually occur in the modern marine engine designs with high output operations
- Large medium-speed trunk piston engines fitted with anti-polishing rings and/or flame rings

Performance Benefits:

- Excellent protection against wear in bearing and gear trains working in extreme pressure operating conditions
- Superior performance in sludge control and oxidation protection
- Keeps engine crankcases and piston crowns clean with its improved high level detergency

Performance Level:

- **Meets:** API CF

TYPICAL SPECIFICATIONS:			
Test Parameters	Test Method	Results	
Product Name		1030	1040
SAE Viscosity Grade		30	40
Kinematic Viscosity @ 100°C, cSt	ASTM D7042	12.3	14.9
Kinematic Viscosity @ 40°C, cSt	ASTM D7042	105	148
Viscosity Index	ASTM D2270	104	100
Density @ 15°C, kg/L	ASTM D4052	0.872	0.875
Flash Point, °C (min)	ASTM D3828	210	212
Pour Point, °C (max)	ASTM D97	-18	-15
TBN, mg KOH/g sample	ASTM D4739	11.95	11.95
ASTM Color	ASTM D1500	L1.5	L2.0

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