



SUPER LIFE® 400H Series **HEAVY DUTY MARINE DIESEL ENGINE OILS**

SUPER LIFE® 400H Products are heavy duty marine diesel engine oils specially formulated from high quality base stocks and additives with the 30 BN or 40 BN alkalinity level to overcome the adverse effects seen in engines running on poor quality fuel with a sulfur content between 1.5% to 3%wt.

They provide outstanding high temperature deposit control for excellent engine cleanliness, especially in areas such as piston, crankcase, camshaft, piston ring.

APPLICATIONS:

SUPER LIFE® 400H Products are recommended for use as crankcase and cylinder lubricant for medium speed trunk piston engines or for use as crankcase lubricant for low speed crosshead diesel engines where oils of 30 BN or 40 BN are required ,in main propulsion and auxiliary engines on deep-sea vessels, in main propulsion engines on coastal and river ships and in stationary power plants.

API CF

BENEFITS:

- Good antirust ,anticorrosion, anti-wear , antifoam properties.
- Maintain high outputs by protecting against high temperature piston deposits which hinder proper ring action.
- Good detergency and dispersancy properties.
- Long oil life and good oil consumption control.
- Separate easily from water.
- Extend engine life.

TYPICAL CHARACTERISTICS

Test	Method	Typical Results					
		400H30			400H40		
SAE Viscosity Grade	SAE J300	30	40	50	30	40	50
API Gravity	ASTM D 287	23.99	22.14	20.30	23.48	22.64	21.97
Specific Gravity @ 15.6 °C (60°F)	ASTM D1298	0.910	0.915	0.920	0.913	0.918	0.922
Viscosity @ 40°C, cSt	ASTM D445	105	148	249	107.75	153.45	263.75
@ 100°C, cSt		11.5	14.7	21.4	11.8	15.0	21.5
Viscosity Index	ASTM D2270	98	98	98	98	98	98
Flash Point, °C (°F)	ASTM D92	225(437)	230(446)	230(446)	225(437)	230(446)	230(446)
Pour Point, °C (°F)	ASTM D97	-15(5)	-12(10)	-9(15.8)	-15(5)	-12(10)	-9(15.8)
Total Base Number, mg KOH/g	ASTM D2896	30	30	30	40	40	40
FZG Gear Test A/8.3/90	DIN 51354	11	11	11	11	11	11

The above characteristics are average values based on recent production. Minor variations, which do not affect product performance, are to be expected in normal manufacture.

WARNING:

Continuous contact with used motor oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children. Don't pollute. Conserve resources. Return used oil and bottle to collection centers

Reference SDS Number 12024 database on our website at www.amtecol.com OR scan the code for a direct link

