



SUPER LIFE® 290H **PREMIUM MARINE ENGINE OILS** **For Diesel and Gasoline Marine Engines**

SUPER LIFE® 290H Products are premium quality marine engine oils specially designed to meet the requirements of the most modern, high-output, high speed, turbocharged or naturally aspirated four- cycle gasoline engines, as well as two- and four - cycle high performance diesel engines running with both ultra and low sulfur diesel fuels under the most severe operating conditions. They meet the increased demands of new lower-emission diesel engines.

APPLICATIONS:

SUPER LIFE® 290H Products are designed to provide outstanding performance in the most severe fishing boats and marine applications of modern diesel and gasoline engines like Caterpillar , Cummins, Detroit Diesel, Volvo, International, Navistar, Hino, Mitsubishi, Nissan, Yanmar, Daihatsu, Mercedes Benz, John Deere, Mercury, Chrysler, Perkins, Ford, Indmar, General Motors, etc.

They are recommended for inland and coastal shipping, fishery, offshore, passenger ship, tug boat and either diesel power generators.

API CJ-4/SN, CI-4Plus, CI-4/SL, CH-4, CG-4, CF-4, CF-2, CF/ SJ
Caterpillar ECF-1-a, ECF-2, ECF-3, TO -2
Cummins CES 20076/20077/20078/20081
MB 228.31

BENEFITS:

- Keep pistons and piston ring grooves against lacquer, varnish and carbon deposits.
- Maintain high outputs by protecting against high temperature piston deposits which hinder proper ring action.
- Quick start-up and easy oil circulation at low temperatures.
- Reduce bore polishing.
- Long oil life and good oil consumption control.
- Separate easily from water.
- Extend engine life.

TYPICAL CHARACTERISTICS

Test	Method	Typical Results	
		15W-40	20W-50
SAE Viscosity Grade	SAE J300	15W-40	20W-50
API Gravity	ASTM D 287	28.38	26.95
Specific Gravity @ 15.6 °C (60°F)	ASTM D1298	0.885	0.893
Viscosity @ 40°C, cSt @ 100°C, cSt	ASTM D445	106 14.7	162 20.0
Viscosity Index	ASTM D2270	144	143
Flash Point, °C (°F)	ASTM D92	224(435)	230(446)
Pour Point, °C (°F)	ASTM D97	-36(-33)	-25(-13)
Total Base Number, mg KOH/g	ASTM D2896	10	10

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

