



SPHYRNA

DESCRIPTION

SPHYRNA is an ultra-high performance diesel engine oil that helps extend engine life in the most severe application. The advanced chemistry of this product delivers exceptional performance in both modern, high-output engines including those with Exhaust Gas Recirculation (EGR), as well as older engines on either low or high sulfur fuels. SPHYRNA meets or exceeds the performance requirement of API CI-4, SL, MIL-L-2014E, ACEA E5/E3/E2-96, GLOBAL DHD-1, VOLVO VDS, MAN M3275-1, MACK EO-M, MTU I&II and ALLISON C-4.

FEATURES AND BENEFITS

- Outstanding high thermal and oxidation stability
- Extended TBN reserves
- Stay-in-grade shear stability
- Advanced detergency and dispersancy
- Improved soot handling
- Excellent low temperature properties
- Superb resistance to corrosion
- Meets demanding specifications of OEMs

APPLICATION

SHPRYNA is recommended for use in high performance diesel applications on modern marine high-speed diesel engines, on and off highway applications, mixed fleet operators and diesel powered equipment from American and Japanese OEMS. SHPRYNA can also be used in gasoline engines and as a transmission oil (SAE 15W-40 grade).

TYPICAL SPECIFICATION

SAE GRADE		15W/40	20W/50
Kinematic Viscosity at 40°C (cSt)	ASTM D445	113	158
Kinematic Viscosity at 100°C (cSt)	ASTM D445	15.1	18.3
Viscosity Index	ASTM D2270	136	125
Flash Point COC (°C)	ASTM D92	217	218
Pour Point (°C)	ASTM D97	-25	-25
TBN (mgKOH/g)	ASTM D2896	10.2	10.2

Typical test data are average values only. Minor variations which do not affect product performance are expected in normal manufacturing. It is the responsibility of the user to ensure that the products are used in the application which they are intended. (April, 2013)