



## PIRANHA

### DESCRIPTION

PIRANHA is a high performance, heavy duty diesel engine oil specially designed to lubricate diesel and gasoline engines requiring API CF-4, CF or SG performance lubricants. The oil is blended using special metallo-organic anti-wear additive that protects the engines against wear of critically loaded components under all operating conditions. The metallic detergent and ashless dispersant additive system provides both high temperature deposit control in diesel engines and low temperature sludge control in gasoline engines. It has high oxidation stability that protects against the formation of gums and varnish at elevated temperatures. PIRANHA meets and exceeds the performance requirement of API CF-4, CF, SG, ACEA A1, MB P227.0/1, CMC D4/PD2/G4, Mack EO-K/2, MAN 271, Japanese CD, MIL-L-2104E and IS 13656 EDL-3.

### FEATURES AND BENEFITS

- Outstanding high thermal and oxidation stability
- Stay-in-grade shear stability
- Advanced detergency and dispersancy
- Improved soot handling
- Superb resistance to corrosion
- Improved fuel consumption

### APPLICATION

PIRANHA is recommended for use in heavy duty, high speed four-cycle diesel engines, on and off highway applications, mixed fleet operators and diesel power equipment from American and Japanese OEMs.

#### TYPICAL SPECIFICATION

SAE GRADE		30	40	15W/40	20W/50
Kinematic Viscosity at 40°C (cSt)	ASTM D445	100	141	111	171
Kinematic Viscosity at 100°C (cSt)	ASTM D445	11.3	14.7	14.7	18.9
Viscosity Index	ASTM D2270	98	97	134	125
Flash Point COC (°C)	ASTM D92	230	248	215	220
Pour Point (°C)	ASTM D97	-10	-10	-25	-25