



ULTRA DIESEL ENGINE OIL

B L E N D E D T O I N T E R N A T I O N A L S T A N D A R D S

GENERAL

The **Ultra Diesel Engine Oils** are a range of premium quality heavy-duty crankcase lubricants, designed for the lubrication of naturally aspirated and turbo-charged diesel engines, operating under moderate to severe duty conditions and engines operating on higher sulphur fuels.

Ultra Diesel Engine Oils are manufactured in SAE 30, 40 and 50 grades, and are formulated from hydro-treated base stocks and a balanced additive package which provide for protection against:

- High-temperature deposits
- Corrosion and Rust
- Bearing corrosion
- Oxidation

PERFORMANCE SPECIFICATIONS

The **Ultra Diesel Engine Oil** range of lubricants meets or exceeds the test requirements of:

- API CF, CF-2
- American Military MIL-L-2104D/E, MIL-L-46152D

KEY BENEFITS

The use of **Ultra Diesel Engine Oil** SAE 30, 40 and 50 grades would result in:

- Protection against bearing corrosion
- Ring-stick prevention
- Good detergency and dispersancy
- Low piston-zone deposits
- Control of viscosity breakdown

MAIN APPLICATIONS

- Small and medium powered naturally aspirated diesel engines.
- Certain naturally aspirated diesel engines in road transport service, operating under moderate to low loads.
- Two-stroke cycle engines requiring highly effective control over cylinder and ring-face scuffing and deposits.

TYPICAL PROPERTIES

	TEST METHOD			
SAE Viscosity Grade	J 300	30	40	50
Kin. Viscosity @ 40°C-cSt	ASTM D445	95.00	160.20	224.00
Kin. Viscosity @ 100°C-cSt	ASTM D445	10.85	15.30	19.00
Viscosity Index	ASTM D2270	98	96	95
Specific Gravity, 60/60°F	ASTM D1298	0.8829	0.8861	0.8902
Pour Point, °C	ASTM D97	-33	-24	-21
Closed Flash Point, °C	ASTM D93	232	238	240
Zinc Content, % wt	IP 308	0.124	0.124	0.124
TBN, mg KOH/g	ASTM D4739	9.00	9.00	9.00

HEALTH AND SAFETY

Ultra Diesel Engine Oil is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed.

Revision Date 10/06/09