

### **EXTRA HIGH PERFORMANCE HD DIESEL ENGINE OIL**

**APPLICATION :** *This is extra high performance diesel engine oil that provides excellent lubrication of today's diesel engine promoting extended engine life. This oil is recommended for use in naturally aspirated and turbo-charged diesel powered equipment from leading Japanese, European and American Manufactures. Specially suited for most modern, high speed, heavy duty, supercharged or turbocharged diesel and gasoline engines used in passenger cars, long haul trucks, and off-highway equipments used in construction, mining, quarrying industries.*

#### **KEY FEATURES :**

- . Improved fuel economy and filterability*
- . Exceptional thermal stability at high temperature*
- . Extremely high control over wear, rust and corrosion to ensure long life of moving parts.*
- . Outstanding lubrication powers in all seasons*
- . Longer maintenance intervals and oil change period*
- . Excellent fluidity at low temperature ensures good starting*
- . Excellent protection against oxidation, foaming, low temperature sludge and high temperature deposits*
- . Properly balanced detergency and dispersancy ensures a clean engines.*

#### **FEATURES & BENEFITS**

- . TBN reserves for deposit control and acid neutralisation.*
- . High Thermal & Oxidation Stability that reduced sludge build up, deposits and viscosity increase.*
- . Stay in proper grade shear stability for wear protection and viscosity control.*
- . Advanced detergency / dispersant for cleaner engines and longer component life.*
- . Improved soot handling for improved viscosity control and used oil pump ability*

- . *Excellent low temperature properties for start-up wear protection.*
- . *Component Compatibility for longer gasket and seal life.*

### TECHINICAL DATA:

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE	
		15W40	20W50
Density at 15°C, Kg/L	ASTM D1298	0.886	0.89
Viscosity at 40°C, cSt	ASTM D445	110	170
Viscosity at 100°C, cSt	ASTM D445	14.5	18.5
Viscosity Index	ASTM D2270	124	115
Flash Point, COC, °C	ASTM D92	230	240
Pour Point, °C	ASTM D97	-24	-21
TBN, mgm KOH/gm	ASTM D2896	12	12