


COSMOS DIESEL ENGINE OIL
Synthetic

COSMOS Diesel Engine Oil is synthetic base, extra high performance diesel engine oil that provides excellent lubrication of today's diesel engine, promoting extended engine life. This product meets or exceeds the specification of all major European and American engine manufacturers. This oil is recommended for use in naturally aspirated and turbo-charged diesel powered equipment from leading Japanese, European and American Manufacturers, mixed fleets, On & off highway light and heavy duty trucking & industries including construction, mining, quarrying, and agriculture equipment.

FEATURES & BENEFITS

- Exceptional Thermal and Oxidation Stability ensures trouble-free operation.
- Reduced maintenance costs due to minimized engine overhaul periods
- Stay in grade shear stability provides wear protection and viscosity control
- Maintains excellent control of oil consumption
- Advanced detergents & dispersants lead to cleaner engines and longer component life.
- Enhanced protection against wear.

PERFORMANCE LEVELS

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|----------------------|--------------------|
| ▪ API CI-4/SL | MAN 3275 |
| ▪ ACEA A3-02 | MACK EO-M plus |
| ▪ ACEA B3-98 Issue 2 | Caterpillar ECF-1 |
| ▪ MB 228.3/229.1 | ACEA E3-96 Issue 4 |
| ▪ VOLVO VDS-3 | Global DHD-1 |
| ▪ RVI RLD | MTU TYPE 2 |
| ▪ ACEA E5-02 | ZF TE-ML 07C |
| ▪ ACEA B4-0 | |

TYPICAL CHARACTERISTICS

Properties	Typical Value		
	10W30	10W40	15W40
SAE Grade			
Specific Gravity @ 15°C	0.870	0.873	0.881
Flash Point , °C	214	220	228
Kinematic Viscosity @40 °C, cSt	72.5	102	112.5
Kinematic Viscosity @100 °C, cSt	11.0 - 12.0	14.5	14.5-15.5
Viscosity Index	>140	>140	>135
Total Base Number, mg KOH/g	11.0	11.0	11.0
Pour Point, °C	-36	-36	-33

****These characteristics are typical of current production. Whilst future production will conform to COSMOS's specification, variations in these characteristics may occur.**

HANDLING, HEALTH, & SAFETY

- Lubricant consisting of high refined mineral oils with specific additives, under normal conditions of use, presents no particular toxic hazards.
- All lubricants, of any kind, should be handled with great care, particularly avoiding any contact with skin. Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution.
- Dispose used oil correctly; don't pour down drains, into watercourses or the soil. Advice on application not covered in this datasheet can be obtained from your COSMOS representative.