

COSMOS[®]

COSMOS DIESEL ENGINE OIL

Super Synthetic

COSMOS Diesel Engine Oil is fully synthetic, heavy duty diesel engine oil that provides outstanding lubrication of latest generation diesel engine, promoting extended long drain capability and excellent low temperature performance. 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

- Excellent high/low temperature control
- Exceptional Thermal and Oxidation Stability ensures trouble-free operation.
- Stay in grade shear stability provides wear protection and viscosity control
- Excellent cold temperature flow for start -up in extreme cold
- Advanced detergents & dispersants lead to cleaner engines and longer component life.
- Enhanced engine protection against wear.

PERFORMANCE LEVELS

- API CK-4
- ACEA E4-16
- ACEA E7-16
- ACEA E9-16
- MB 228.51
- VOLVO VDS-4.5
- Renault RLD-4
- MTU Cat 3.1
- MACK EOS-4.5
- Caterpillar ECF-3
- Cummins CES20081
- Cummins CES20086
- Cummins CES20087
- Detroit Diesel DFS 93K222

TYPICAL CHARACTERISTICS

Properties	Typical Value	
	0W20	5W30
SAE Grade		
Specific Gravity @ 15°C	0.848	0.850
Flash Point , °C	220	220
Kinematic Viscosity @40 °C, cSt	43.5	74
Kinematic Viscosity @100 °C, cSt	8.32	12.05
Viscosity Index	170	160
Total Base Number, mg KOH/g	11.0	11.0
Pour Point, °C	-40	-40
Sulphated Ash, wt%	0.9	0.9

****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.