

## Technical Data Sheet (TDS)

### CRUSH

SAE 15W-40 , CJ-4/SM

Mineral

**CRUSH** Mineral is an advanced mineral diesel engine oil that maximizes engine performance in the latest US, European and Japanese heavy-duty diesel engines including severe applications such as high loads and multi-trailer operations.

### APPLICATION

Recommended for new advanced diesel powered engines in trucks, marine industries, heavy duty construction equipment, mining equipment, farm vehicles, passenger cars, operating under severe conditions and subjected to wide variations in climatic conditions, in all types of on road and off road service. They are also recommended for gasoline engines in pick-up trucks, sport utility vehicles and mixed fleets

### FEATURES & BENEFITS

- Fights oil thickening due to its unique additive system, it delivers superior viscosity stability, resulting in better fuel efficiency.
- Prevents piston deposits by minimizing harmful deposits, resulting in lower oil consumption. Fights contaminants, resulting in longer oil drain intervals.
- Prevents wear and corrosion by providing a robust oil film, enhancing the life of critical engine components

### PERFORMANCE STANDARDS

- API CJ-4/SM
- ACEA E9
- MB 228.31
- Caterpillar ECF-3
- MAN M3477/3575
- VOLVO VDS-4
- Renault RLD3
- DDC 93K218
- Mack EO-O PP
- Cummins CES 20081
- DEUTZ DQC III-10 LA
- FORD WSS-M2C171-F1

### TYPICAL PROPERTIES

PARAMETERS	ASTM	UNIT	CRUSH 15W-40
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	114.0
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	15.1
Viscosity Index (min)	D2270	-	138
Density @ 15°C / 60°F	D4052	g/cm <sup>3</sup>	0.880
Flash Point (min)	D92	°C	236
Pour Point(max)	D97	°C	-34
TBN	D2896	mgKOH/g	9.9
CCS	D5293	m.Pa.S	<7000 (-20°C)

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS on our website: [www.fubex.net](http://www.fubex.net)

### HEALTH & SAFETY:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, or exposed to hot sun or freezing conditions.

### PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.