

## Technical Data Sheet (TDS)

### HDDEO

SAE 20W-60, CF-4/SJ

Mineral

**HDDEO** is a high performance heavy-duty engine oil based on high quality mineral base stocks and advanced additives technology providing superior dispersancy/detergency, wear and oxidation resistance properties. Ideal for mixed fleet use having a variety of different makes of heavy-duty diesel engines and using fuels of a wide range.

### APPLICATION

Recommended for modern heavy duty engines, wide range of turbo-charged or naturally aspirated diesel engines, generators, trucks, construction cars, passenger cars or mixed car group comprising diesel and gasoline cars. It is recommended for automotive diesel engine of passenger cars and light commercial vehicles where the OEM recommends API CF-4 or earlier specification

### FEATURES & BENEFITS

- Fuel saving and reduces maintenance expenses for machines and engines.
- Very long oil changing period.
- Resists oil thickening and the formation of carbon, varnish and sludge deposits.
- Good viscosity control.
- Prolonged engine life.
- Safeguards the moving parts. Keeps engine Clean.

### PERFORMANCE STANDARDS

- API CF-4/SJ
- MB 228.2
- ACEA E2-96 A3/B3
- MTV TYPE-2
- MAN 3275-1
- VOLVO VDS

### TYPICAL PROPERTIES

PARAMETERS	ASTM	UNIT	HDDEO 20W-60
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	201.00
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	24.10
Viscosity Index (min)	D2270	-	150
Density @ 15°C / 60°F	D4052	g/cm <sup>3</sup>	0.887
Flash Point (min)	D92	°C	230
Pour Point(max)	D97	°C	-24
TBN	D2896	mgKOH/g	9
CCS	D5293	m.Pa.S	<9500 (-15°C)

### HEALTH & SAFETY, ENVIORMENT:

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.