

## Technical Data Sheet (TDS)

### DENZ

SAE 50, CH-4/SJ

Mineral

**DENZ** is a high performance engine oil that provides proven protection to diesel engines operating in severe conditions for both On and Off-highway applications. This product has been blended with highest performance base oils and fortified with an advanced additive system which assures superior control of oil thickening caused by soot buildup and high temperature oxidation. It helps achieve reduced oil consumption and wear protection.

### APPLICATION

These heavy duty engine oils are recommended for all types of diesel and gasoline engines where the manufacturer specifies the API service CH-4/SJ. They are especially suited for use in low temperature environments where extreme pumpability properties are required. These Oils are also suitable for on-road and off-road applications, including equipment that are exposed to extreme low temperature operations. This oil is suitable for use in moderate to high sulfur content fuel.

### FEATURES & BENEFITS

- Improved oxidation stability to minimize deposit formation
- Higher TBN to extend protection from acids caused by combustion
- Better protection against valve train wear
- Improved low temperature performance
- Potential fuel economy improvement compared to conventional CH-4 heavy duty engine oils

### PERFORMANCE STANDARDS

- API CH-4/SJ
- ACEA E7/A3/B3/B4
- JAOS Dh1
- CUMMINS CES 20076
- VOLCO VDS-2
- MAN 3275

### TYPICAL PROPERTIES

| PARAMETERS                         | ASTM  | UNIT    | DENZ<br>SAE 50 |
|------------------------------------|-------|---------|----------------|
| Kinematic Viscosity @ 104°F /40°C  | D7042 | cSt     | 202.6          |
| Kinematic Viscosity @ 212°F /100°C | D7042 | cSt     | 19             |
| Viscosity Index (min)              | D2270 | -       | 106            |
| Density @ 15°C /60°F               | D4052 | g/cm3   | 0.896          |
| Flash Point (min)                  | D92   | °C      | 245            |
| Pour Point(max)                    | D97   | °C      | -15            |
| TBN                                | D2896 | mgKOH/g | 11             |
| CCS                                | D5293 | m.Pa.S  | NA             |

### 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.