



PHOENIX

Diesel Engine Oil

Technical Data Sheet



DEOTEC PREMIUM PLUS

MINERAL

PRODUCT DESCRIPTION:

DEOTEC PREMIUM PLUS 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 minimising 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
- Formulated with lower levels of Sulphated Ash, Phosphorous and Sulphur than conventional oils to maintain the efficiency of exhaust after treatment systems eg. DPF or DPD
- Fights soot abrasive wear, improving engine power all the way through the oil drain

PERFORMANCE LEVELS: Meets or Exceeds:

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

TYPICAL PROPERTIES:

| PARAMETERS | TEST METHOD | UNIT | DEOTEC PREMIUM PLUS (MINERAL) | |
|---------------------------------------|-------------|-------------------|-------------------------------|---------------|
| Grade | | | 15W-40 | 20W-50 |
| Kinematic Viscosity @ 104° F / 40° C | ASTM D-7042 | cSt | 113.85 | 172.95 |
| Kinematic Viscosity @ 212° F / 100° C | ASTM D-7042 | cSt | 15.20 | 19.5 |
| Viscosity Index (min) | ASTM D-2270 | - | 140 | 130 |
| SP. Gravity @15° C/ 60° F | ASTM D-4052 | g/cm ³ | 0.880 | 0.885 |
| Flash Point (min) | ASTM D-92 | °C | 236 | 240 |
| Pour Point (max) | ASTM D-97 | °C | -33 | -27 |
| TBN | ASTM D-2896 | Mg KOH/g | 9.9 | 9.9 |
| CCS, (°C) | ASTM D-5293 | m.Pa.S | 7000 (-20° C) | 9500 (-15° 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 in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com