



DEOTEC ADVANCE

MINERAL

PRODUCT DESCRIPTION:

DEOTEC ADVANCE is a high performance diesel engine oil that provides excellent lubrication to diesel engines. It maximizes performance in the latest US, European and Japanese heavy duty diesel engines including severe applications such as high loads and multi trailer applications. It exhibits outstanding detergent, dispersant and anti-wear properties to keep the engine clean and enable efficient control of soot, sludge and piston deposits.

APPLICATION:

Recommended for modern heavy duty engines, wide range of turbo-charged and naturally aspirated diesel engines as well as all kinds of gasoline engines. All types of generators, trucks, construction machinery, passenger cars or mixed fleet comprising diesel and gasoline powered cars.

FEATURES & BENEFITS:

- High thermal and oxidation stability
- Reduced sludge build-up, deposits and viscosity increase
- Stay-in-grade shear stability
- Excellent low temperature properties
- Wear protection and viscosity control
- Improved viscosity control and oil pumpability

PERFORMANCE LEVELS: Meets or Exceeds:

- API CI-4/SL
- ACEA E7, A3/B3/B4
- MB 228.3 / 229.1
- MAN M3275-1
- Volvo VDS-3
- Deutz DQC III-10
- JASO DH1
- MACK EO-N
- Cummins CES 20076/20077/78
- Global DHD-1
- Renault RLD-2
- MTU Type 2
- Allison C4
- Caterpillar ECF 1a, ECF 2
- DDC 93K215

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	DEOTEC ADVANCE (MINERAL)		
Grade			15W-40	15W50-	20W-50
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	114.1	109.5	174.2
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	15.30	15.2	19.60
Viscosity Index (min)	ASTM D-2270	-	141	146	130
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm ³	0.879	0.878	0.890
Flash Point (min)	ASTM D-92	°C	236	232	236
Pour Point (max)	ASTM D-97	°C	-33	-33	-24
TBN	ASTM D-2896	Mg KOH/g	11	11	11
CCS, (°C)	ASTM D-5293	m.Pa.S	<7000 (-20°C)	<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