



DEOTEC ADVANCE HT

PRODUCT DESCRIPTION:

DEOTEC ADVANCE HT is a versatile and high-performance heavy-duty engine oil designed to support a wide range of applications and operating conditions across industries such as trucking, mining, construction, quarrying, and agriculture. This oil delivers exceptional protection for demanding diesel engines from manufacturers like Caterpillar, Cummins, Detroit, Mack, Mercedes-Benz, Renault, MAN, Navistar, Volvo, and others. It is recommended for Euro V and VI Volvo engines, as well as off-highway engines meeting EU Stage IV and EPA Tier IV standards, particularly those equipped with DPFs requiring CJ-4/E9-12/VDS-4/Cat ECF-3 lubricants.

ENGINE APPLICATION:

- ACEA E9/11-22
- API CJ-4/CI-4+/CI-4, SN/CF
- Daimler DTFR 15B1101
- MAN M3575
- MTU Type 2.1
- Volvo VDS-4
- Mack EO-O Premium
- Plus
- Renault Trucks RLD3
- Cummins CES 20081
- Caterpillar ECF-2, ECF-3
- Deutz DQC III-10 LA
- DDC 93K218
- Global DHD1
- JASO DH-2

GEARBOX APPLICATION:

- API: GL-4
- ZF TE ML 07D
- Caterpillar TO-4M/TO-4
- Komatsu clutch (TO-40)
- Allison C-4

HYDRAULIC SYSTEM APPLICATION:

- ISO VG-68 HM
- JCMA HK 68
- KOMATSU HO-68
- Case MS 1230

FEATURES & BENEFITS:

- High thermal and oxidation stability
- Stay-in-grade shear stability
- Excellent low and high temperature properties
- Longer gasket and seal life
- High TBN reserves
- Reduced sludge
- build-up
- Component compatibility
- Longer drain intervals
- Start-up wear
- protection
- One oil for mixed fleet operations

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CJ-4/CI-4+/CI-4
- ACEA E9/11-22
- DTFR 15B1101
- MAN M3575
- Volvo VDS-4
- Deutz DQC III-10 LA
- JASO DH2
- MACK EO-O Premium
- Plus
- Cummins CES 20081
- Global DHD1
- Renault RLD3
- MTU Type 2.1

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	DEOTEC ADVANCE HT
Grade			15W-40
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	15.5
Viscosity Index (min)	D2270	-	135
Density@15°C/ 60°F	D4052	g/cm ³	TBR
Flash Point (min)	D92	°C	220
Pour Point (max)	D97	°C	-33
TBN	D2896	mg KOH/g	11.5
CCS	D5293	m.Pa.S	<7000 (-20°C)

DISCLAIMER: The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

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