



BOREAS HDD 100

ULTRA HIGH-PERFORMANCE COOLANT WITH LOW SILICATE TECHNOLOGY

PRODUCT DESCRIPTION:

BOREAS HDD 100 is a long-term coolant concentrate based on mono ethylene glycol, designed for heavy-duty diesel applications and stationary engines. Free from amines and phosphates, it uses low silicate technology to provide reliable protection against frost, overheating, corrosion, and cavitation in highly loaded engines. This efficient protection extends to all metals within the cooling system, ensuring optimal performance and durability.

APPLICATION:

BOREAS HDD 100 is a fully formulated coolant concentrate and must be diluted with water before application. Best concentration for the application is 50 vol% BOREAS HDD 100. It is recommended for use in Mining, Construction as well as on-highway applications.

FEATURES & BENEFITS:

- Outstanding corrosion protection
- Contains no amines, nitrites or phosphates
- Universal application at passenger cars and commercial vehicles.
- Anti-cavitation, preventing foam and the retention of air, ensuring the good performance of the pump.
- Prevents the build-up of deposits, keeping the cooling system clean.
- Long life service product

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- MTU MTL 504
- CASE MS 1710
- CAT EC-1
- CUMMINS CES 14603
- DETROIT DIESEL 93K217 (NOAT)
- FREIGHTLINER 48-2288D
- IVECO 18-1830
- KENWORTH RO26-170-97
- MAN 324 TYPE N
- NEW HOLLAND WSN-M97B18-D
- PACCAR CS 0185
- TOYOTA Motor Corp. RP 329
- CHRYSLER MS 7170/MS 9769
- DETROIT DIESEL 7SE298
- FORD ESE-M97B44-A
- FORD ESE-M97B18-C
- FORD WSS M97B51-A1
- GM 1825M & GM 1899M
- JIS K2234
- MACK 014GS17004

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	BOREAS HDD 100
pH	D1278	cSt	8.1
Freezing Point	D1177	°C	-37
Boiling Point	D1120	cSt	162
Density at 15.5C	D4052	g/cm3	TBR

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