



AVALANCHE HDD 100

ULTRA HIGH PERFORMANCE COOLANT WITH LOW SILICATE TECHNOLOGY

PRODUCT DESCRIPTION:

Avalanche HDD 100 is a long term coolant concentrate based on mono ethylene glycol for heavy-duty diesel application as well as stationary engines. Avalanche HDD 100 is free of amines and phosphates, combined with a low silicate technology that prevents reliably highly loaded engines from frost, overheating, corrosion and cavitation. This most efficient protection extends to all metals in the cooling system.

APPLICATION:

Avalanche HDD 100 is a fully formulated coolant concentrate and must be diluted with water before application. Best concentration for the application is 50 vol% Avalanche HDD 100. MAINTAIN FRICOFIN HDD 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 buildup of deposits, keeping the cooling system clean
- Long life service product

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

MTU MTL 5048, 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 75E298, FORD ESE-M97B44-A, FORD ESE-M97B18-C, FORD WSS M97B51-A1, GM 1825M & GM 1899M, JIS K2234, MACK 014G517004

TYPICAL PERFORMANCE:

| PARAMETERS | ASTM | UNIT | AVALANCHE HDD 100 |
|------------------|-------|-------|-------------------|
| pH | D1278 | cSt | 8.1 |
| Freezing Point | D1177 | °C | -37 |
| Boiling Point | D1120 | cSt | 162 |
| Density at 15.5C | D4052 | g/cm3 | 1.13 |

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 www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

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, exposed to hot sun or freezing conditions.

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