

# **TX HDD-NF ANTIFREEZE BLUE CONCENTRATE**

**Tx HDD-NF Antifreeze Blue Concentrate** is a genuine Long Life Nitrite Free Antifreeze / Coolant concentrate formulated with superior Hybrid Organic Acid Technology (HOAT). Tx HDD-NF Antifreeze Blue Concentrate is a low silicate, nitrite, amine and phosphate free product suitable for all engine coolant systems.

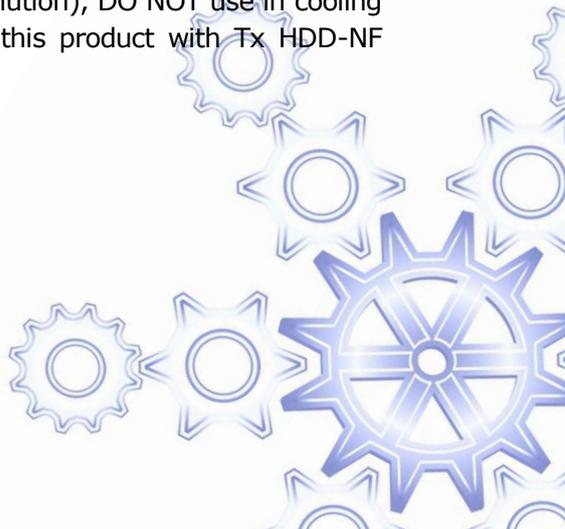
**Tx HDD-NF Antifreeze Blue Concentrate** has a balanced inhibitor system making it suitable for use with mixed fleets with all metal types including aluminium. It is widely compatible with other coolants but for best results the system should be drained, flushed and refilled.

**Tx HDD-NF Antifreeze Blue Concentrate** is based on proprietary hybrid organic acid technology and DOES NOT require an initial charge of supplemental coolant additives (SCAs) upon initial fill in heavy duty diesel applications. It is designed for complete mixed fleet use and is primarily recommended for Japanese and European OEM engines for all heavy duty diesel, light duty diesel applications as well as all makes and models passenger vehicles (aluminium compatible). Tx HDD-NF Antifreeze Blue Concentrate must be mixed with water prior to use.

**Tx HDD-NF Antifreeze Blue Concentrate** is specially formulated to protect heavy duty diesel wet sleeve liners. SCA addition is application dependent and should only be added as and when required by the vehicle's OEM. This coolant is compatible with coolant filters and heavy duty diesel SCAs and coolant extenders. Advantages:

- \* Low silicate
- \* Nitrite, Phosphate and Amine free
- \* OEM approved
- \* Hard water compatible
- \* No initial SCA requirement at initial fill
- \* Universal use, fully meets or exceeds standard industry requirements for automotive, light duty, and heavy duty diesel applications
- \* Product is compatible with both conventional and OAT coolants, to get best performance [regarding issues such as extended life and time between SCA additions] it is best to flush the old coolant and replace with Tx HDD-NF Antifreeze Blue Concentrate
- \* Product is compatible with standard SCAs and coolant extenders
- \* Extended life 6 years, 12,000 hours or 1,000,000 km whichever comes first

**Note:** For normal use mix 1:1 with clean deionized water (50% dilution), DO NOT use in cooling systems undiluted – always top up coolant systems containing this product with Tx HDD-NF Antifreeze Blue Premix.



Tx HDD-NF Antifreeze Blue Concentrate (mixed at 50% dilution with water) is recommended in the following engine coolant specifications:

- \*ASTM D3306 / D6210-10 / D7583
- \*JIS K2234
- \*SAE J1034/J1941
- \*Komatsu
- \*MAN 324
- \*MB 5048
- \*Saab/Scania 6901
- \*VW TL774C
- \*AS/NZS 21 08:2004 Type A
- \*BS 6580
- \*Cummins
- \*DDC 93K217, 7SE298
- \*MTU MTL 5048
- \*MB BDL 7700.00
- \*Renault Type D

### Typical Physical and Chemical Characteristics

Test	Performance	Test Method
pH (1% Solution)	7.6 - 9.0	ASTM D-1287
Reserve Alkalinity (ml)	6 min.	ASTM D-1121
Specific Gravity (15.6°C/60°F)	1.115 - 1.145	ASTM D-1122
Freeze Point (50% dilution with water)	-37°C/-34°F	ASTM D-1177
Flash Point	116°C/240°F	ASTM D-92
Colour	Blue	
Total Glycols (Weight %)	90 ~ 95.0 min.	
Chloride ppm	25 max.	ASTM D-3634

These characteristics are typical of current production. Whilst future production will conform to specification, variations in these characteristics may occur.

### Health & Safety

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your TransDiesel representative.

### Protect the environment

Take used coolant products to an authorized collection point. Do not discharge into drains, soil or water.

### Extended Shelf Life

When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to two years after manufacture. Product should not be left in open unsealed containers due to possible water loss.

**Marketed in New Zealand by  
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