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### Ecofreez HD Mixed Fleet OAT NF provides the following advantages:

- When added as an initial fill and properly maintained in accordance with engine manufacturers' maintenance recommendations, this product will provide an in-service life of up to 250,000 km/ 150,000 miles or 5 years (Automotive Light Duty); 960,000 km/600,000 miles, 12,000 hours or 6 years (Heavy Duty Diesel), whichever comes first. While deleterious effects are not expected to be significant, mixing with conventional coolants will result in a lower than expected lifetime.
- Freeze protection to -37C and boil-over to 129C at a 50/50 vol.% dilution
- Protects coolant system metals such as brass, copper, solder, steel, cast iron and aluminum
- Contains Bitrex, a bittering agent that makes the antifreeze less appealing to animals and children
- Compatible with all engine coolant technologies
- Free of nitrite, amine, phosphate, low silicate
- Pre-mixed with de-ionized water for convenience and maximum protection

### Ecofreez HD Mixed Fleet OAT NF Coolant meets the following industry performance requirements as a concentrate or pre-diluted antifreeze/coolant:

- ASTM D3306, D4985, D6210, D7583
- TMC RP329B, TMC RP338
- AS/NZS 2108.2004 Type A
- BRP (Bombardier Recreational Vehicles)
- Caterpillar (not EC-1)
- Cummins 3666132
- DDC 7SE 298, 93K217
- Kubota
- Kobelco

### Recommended for use in the following applications:

- GM 1825M, 1899M, 6277M, Heavy Truck
- Ford ESE-M97B44A, WSS-M97B44D, WSS-M97B51-A1
- Chrysler MS9769, MS7170
- MTU MTL5048
- Waukesha 4-1974D
- Toyota
- Porsche TL-774D
- Mitsubishi
- Nissan
- Honda HES D2009-75
- Hyundai
- Mazda MEZ MW 121D
- Suzuki 0F02
- Isuzu
- BMW
- Volkswagen VW TL7743 (G13)
- Mercedes Blatt 325.0 & 325.2
- Volvo Heavy Truck
- Any Asian vehicle or light-duty truck requiring an extended life coolant
- Cummins CES14603 (as found in service bulletin 3666132-02)

### HD MIXED FLEET OAT NF COOLANT

HD Mixed Fleet OAT NF is specifically designed for complete mixed fleet use in all makes and models both foreign and domestic, for light duty and heavy duty diesel.

HD Mixed Fleet OAT NF protects against rust and corrosion for all coolant system metals, including aluminum; offers excellent protection against wet sleeve liner cavitation pitting and is compatible with all aluminum radiators found in today's engine cooling systems. Designed for complete mixed fleet use, HD Mixed Fleet OAT NF is recommended for all makes and models of passenger vehicles, light duty and heavy duty diesel vehicles (on-road, off-road, construction, farm applications).



- Cummins 90T8-4
- Detroit Diesel 93K217
- Detroit Diesel 93K217
- Navistar/International CEMS B-1, with the addition of molybdate per specification
- Freightliner 48-22880
- John Deere
- Mack Truck
- Paccar CS0185

Characteristics	Performance	Test Method
pH	8.0 – 9.0	ASTM D1287
Specific gravity*	1.070 – 1.090	ASTM D1122
Freeze point, °C/°F	-37/-34	ASTM D1177
Foam volume, ml	150 max.	ASTM D1881
Foam break time, second	5 max.	ASTM D1881
Reserve Alkalinity, ml	1.5 min.	ASTM D1121
Chloride, ppm	25 max.	ASTM D3634
Colour	Red/Yellow	
Glycol Content (wgt.%)	53 min.	
Inhibitors and Water Content (wgt.%)	47 max.	

\* Measured at 15.6°C/60°F

**DO NOT ADD WATER TO MIXTURE**