



IDC Heavy Duty Diesel Antifreeze

50/50 Pre-mixed Extended Life

Features & benefits

- Nitrite-based hybrid technology
- Low silicate, phosphate and amine free
- Suitable for all-season use
- Excellent wet-sleeve liner cavitation protection
- Maximum service life of 960,000km (600,000 miles) 6 years or 12,000 hours if used after a complete drain, flush and fill
- Freeze protection down to -37°C (-34°F)



Specifications

✓ Meets requirements ■ Suitable for use

Specifications	IDC Heavy Duty	Specifications	IDC Heavy Duty
ASTM D3306	✓	CAT EC-1	■
ASTM D4985	✓	Cummins 14603	■
ASTM D6210	✓	Ford WSS-M97B51-A1	■
ASTM D7583	✓	MAN 324	■
AS/NZ 2108.1:1997 Type A	✓	MB DBL 7700	■
Cummins 3666132	✓	Kenworth RO26-10-97	■
Detroit Diesel 7SE298, DFS 93K217	✓	Mack 014GS17004	■
GB 29743-2013	✓	New Holland WSN-M97B18-D	■
GM 1825M, 1899M	✓	Peterbilt 8502.002	■
JIS K 2234	✓	Scania 6901	■
MTU MTL 5048	✓	Volvo Heavy Truck	■
TMC RP329B	✓		

Typical results

Test Method	IDC Heavy Duty
CONCENTRATION, ANTIFREEZE : WATER, %	50:50
COLOUR	Red
SPECIFIC GRAVITY @ 15.6°C / 60°F (D1122)	1.08-1.09
FREEZE POINT (D1177) (°C/°F)	-37/-34
pH (D1287)	7.5-9.0
FOAM VOLUME (D1881), mL	50 max.
FOAM BREAK TIME (D1881), sec	5 max.
SILICON (D6130), ppm	< 250
CHLORIDE (D3634), ppm	< 25
PHOSPHATE (D5827), ppm	< 10
NITRITE (D5827), ppm	780 min.
RESERVE ALKALINITY (D1287), mL	3 min.

IDC Heavy Duty Diesel Antifreeze is an advanced formulation intended for light and heavy-duty diesel engine cooling systems. It is formulated using ethylene glycol and a nitrited, low-silicate additive system to provide complete protection up to five times longer than regular antifreeze. It is blended into a 50/50 mixture with high-quality water for freeze protection down to -37°C (-34°F) and boil-over protection up to 132°C (269°F).

IDC Heavy Duty Diesel Antifreeze is designed for older model light and heavy-duty diesel cooling systems requiring a nitrited coolant. It is recommended for use in on-road or off-road vehicles, marine, farm equipment and stationary applications.

IDC Heavy Duty Diesel Antifreeze provides a maximum extended performance interval of up to 960,000km (600,000 miles), 6 years or 12,000 hours, whichever comes first, when a complete coolant system drains, flushes and fill is performed.

IDC Heavy Duty Diesel Antifreeze does not require supplemental coolant additives (SCA) or a coolant extender at initial fill but is compatible with both. It is also compatible with similar hybrid antifreeze/coolants formulated with nitrites and low silicates.

Sizes & order codes

Size	IDC Heavy Duty
3.78 L (1 US gal)	FU0016326
205 L (54.2 US gal)	F0068650
1000 L (264 US gal)	F0068660

Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with Sales Associate for the latest product approvals.

Please note these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to January 16, 2025.

www.irvingoil.com/lubricants 1.800.574.5823