



WORLD OIL

ANTIFREEZE

CONVENTIONAL FULLY FORMULATED

DK245
DK245P (PRE-DILUTED)

World Oil Antifreeze – Conventional Fully Formulated is specifically formulated to protect the heavy duty cooling systems in your fleet. Compatible with most major conventional antifreeze brands, you can skip the supplemental coolant additive (SCA) pre-charge during the initial fill or when coolant is fully replaced. Our conventional pre-charged formulation protects diesel engines against corrosion, scale deposits from hard water minerals, and provides excellent liner cavitation protection.

By choosing a high quality, sustainably produced product, not only are you protecting the service life of your customer's engine, you're also preserving profitability and protecting our natural resources. With World Oil Antifreeze, you can minimize wear and tear, control costs, and reduce your carbon footprint, all while enhancing vehicle performance.

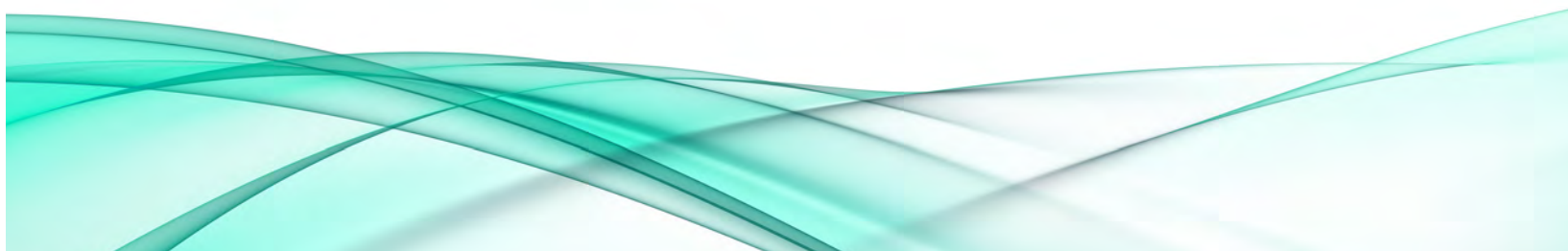
See back panel for a full listing of specifications and recommended vehicles.

USAGE CONSIDERATIONS:

To comply with OEM recommendations, we recommend you check the coolant and replace the SCAs during service. Nitrite test strips are available for this product at major heavy duty truck dealerships. This product is suitable for up to 3,000 hours or 150,000 miles in heavy duty application under normal operating conditions, whichever comes first, provided the coolant is kept in good condition and meets SCA levels in line with OEM requirements. Different chemistry types should not be mixed by more than 25%.

Benefits for Your Fleet:

- Does not require use of traditional SCAs
- Recommended for both diesel engines and light duty gasoline applications
- Free from amine and phosphates
- Protects against corrosion of brass, copper, solder, steel, cast iron and aluminum
- Compatible with other conventional heavy duty coolants
- Available as a 50/50 premix



Meets the performance requirements of the following specifications:

OEM/Agency	Specifications
TMC RP 329 Cummins CES14603, Navistar	TMC RP 329
Caterpillar, Freightliner 48-22880	ASTM D-6210
Detroit Diesel 7SE298 Volvo GM	ASTM D-4985
John Deere 8650-5, PACCAR	ASTM D-3306
Case Corp. MS1710, MACK	SAE 1941
Ford New, EMD M.I. 1748E	GM 1825
Thermo-King, Waukesha 4-1974D	GM 1899

Conventional Fully Formulated Antifreeze/Coolant satisfies the performance requirements of the following antifreeze specifications and/or recommended practices.

Performance Testing

ASTM D3306	ASTM D3306 (ASTM D1384, D2570, D2809, D4340)
Test	Test Results ¹
D1384	PASS
D4340	PASS
D2570	PASS

Recommended for use in:

OEM/Agency	Specifications
ASTM	D3306, D4985, D7583, D6210-10
GM	1825M, 1899M
BS	6580
DDC	93K217

Recommended for use in heavy duty applications using conventional technology with proper SCA maintenance program and passenger vehicles not requiring use of HOAT or OAT coolants from the manufacturer.

ASTM D2809 Aluminum Water Pump Cavitation - Erosion Corrosion Rating	Test Results ¹	Spec.
100 hours	9	8 min.

¹Weight loss per coupon in milligrams (average for 3 tests)
²Aluminum Radiator tests

Characteristic	Performance	Test Method
pH ^a	9.0 - 10.5	ASTM D1287
Specific gravity ^b in premix	1.110 - 1.140	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
Chloride (ppm)	25 max.	ASTM D3634
Silicon, from silicate (ppm)	250 max.	ASTM D6130
Color	Green	
Glycol Content (wtg.%)	93 min.	
Inhibitors and Water Content (wtg.%)	7 max.	

World Oil Corporation is dedicated to preserving our environment. All laws and regulations should be observed for proper disposal. Contact the EPA or local municipality for proper disposal procedures in your area. For vehicles under warranty, please refer to your owners manual specifications. Distributed by: