



WORLD OIL

# ANTIFREEZE

## HEAVY DUTY EXTENDED LIFE

DK750  
DK750P (PRE-DILUTED)

World Oil Antifreeze – Heavy Duty Extended Life is a nitrite free engine coolant formulation. It is based on a proprietary organic additive corrosion inhibitor technology (OAT) with special additives to enhance the protection of all coolant system metals against cavitation, corrosion and scale build-up. In addition, this product will provide excellent water pump, controlled atmosphere brazed (CAB) radiator flux compatibility, wet sleeve liner cavitation protection and high temperature corrosion 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.

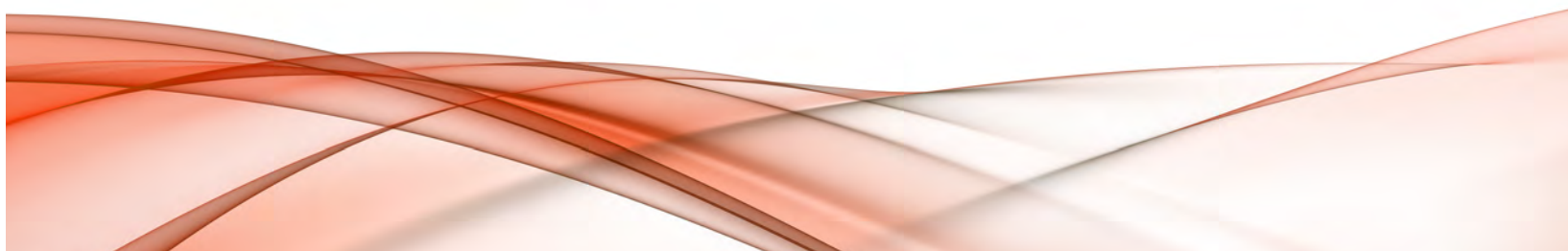
*See back panel for a full listing of specifications and recommended vehicles.*

### USAGE CONSIDERATIONS:

This product will provide up to 6 years, 12,000 hours or 600,000 miles in-field service life. If coolant pH is below 6.5, a complete drain and fill is recommended. For best results, extended life antifreeze/coolant must NOT be mixed with conventional high pH phosphate, borate, or silicate containing coolants.

### Benefits for Your Fleet:

- Superior corrosion, pitting and erosion protection on all coolant system metals including aluminum
- Superior wet sleeve liner cavitation protection without the need for nitrite
- Excellent water pump performance
- Compatibility with Controlled Atmosphere Brazed (CAB) aluminum radiators
- Compatibility with conventional and other similarly formulated OAT and Lobrid corrosion inhibitor technologies
- Designed for use in all light and heavy duty diesel engine applications including on-road, off-road, farm and marine
- Free of amine, borate, nitrite, phosphate, silicate and 2-EHA
- Minimal requirement for additive top-up – does not require the addition of SCAs
- 8 year shelf-life when kept sealed in its original container



**Meets the performance requirements of the following specifications:**

OEM/Agency	Specifications
ASTM	D3306, D4985, D6210, D7437, D7583, D7820
SAE	J1941
TMC	RP364

For best results, extended life antifreeze/coolant must NOT be mixed with conventional high pH phosphate, borate, silicate containing coolants. While deleterious effects are not expected to be significant, the mixing of conventional coolants with Extended Life OAT Based Antifreeze/Coolant can result in a lower than expected lifetime (change-over intervals). World Oil Heavy Duty Antifreeze/Coolant provides excellent value as an aluminum compatible, long-life heavy duty diesel engine coolant.

**Recommended for use in:**

OEM/Agency
CNH
Caterpillar
Cummins
Detroit Diesel
GM Heavy Truck
GE – Jenbacher stationary natural gas engines
Hino Truck
International Truck and Engine / Navistar
Isuzu Truck
Kobelco
Mack
Volvo
European vehicles requiring phosphate and nitrite free
Japanese vehicles requiring silicate free

**Performance Testing**

ASTM D3306/D6210

Test	Test Results <sup>1</sup>
D1384	PASS
D2809	PASS
D2570	PASS
D4340	PASS
D7583	Pit Count <100
D7820	PASS (Severe Testing Conditions)

ASTM D2809 Aluminum Water Pump Cavitation - Erosion Corrosion Rating	Test Results	Spec.
100 hours	10	8 min.

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

Characteristic	Performance	Test Method
pH <sup>a</sup>	7.5 - 8.5	ASTM D1287
Specific gravity <sup>b</sup> in premix	1.065 - 1.085	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)	1.8 min. Premix	ASTM D1121
Chloride (ppm)	25 max.	ASTM D5827
Silicon (ppm)	<10 ASTM	
Color	Red	
Glycol Content (wtg.%)	46 min.	
Inhibitors and Water Content (wtg.%)	54 max.	

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