

## **PolarZone™ Global HD Extended Service Antifreeze/Coolant** **Heavy Duty and Fleet Applications**

### **Description**

PolarZone™ Global HD Extended Service Antifreeze/Coolant is an organic acid technology (OAT) product intended for use in heavy duty and mixed fleet applications requiring a nitrite-free coolant. This product provides an extended service life when properly maintained in accordance with engine manufacturer's maintenance recommendations.

PolarZone™ Global HD Extended Service Antifreeze/Coolant provides corrosion protection to all standard metals and non-metal cooling system components. This product does not require SCA's at initial fill and can provide a service life of 965,000km (600,000 miles).

### **Advantages**

- Eliminates need for SCA's and chemically charged filters
- Superior multi-metal corrosion inhibitors
- DOES NOT contain nitrites, phosphates, amines, silicates, or 2EHA (NAPS free)
- Safe for elastomers used in hoses and gaskets

### **Applications**

- Mixed fleet and heavy duty diesel engines

### **Meets or exceeds**

- ASTM 6210, 3306
- ASTM D7583 John Deere Cavitation Test

### **Suitable / Recommended for**

- AS/NZS 2108.1:1997 Type A
- AS/NZS 2108.2004 Type A
- BMW MERCEDES BLATT 325.0
- BMW MERCEDES BLATT 325.2
- CAT EC-1
- CID-A-A52624A
- CHRYSLER MS7170
- CHRYSLER MS 9769
- CNH

- CUMMINS 14603
- CUMMINS 3666132
- DAF MAT 74002
- DETROIT DIESEL DDC 7SE298
- DETROIT DIESEL DDC 93K217
- DEUTZ DQC CB-14
- FED A-A870-A
- FORD ESE-M97B44A
- FORD WSS-M97B44D
- FORD WSS-M97B51-A1
- FREIGHTLINER 48-22880
- FREIGHTLINER 48-25878
- GM 6277M
- GM HEAVY TRUCK
- INTERNATIONAL
- JIS K2234
- JOHN DEERE H24
- KENWORTH R026-170-97
- KOMATSU
- KUBOTA - Kobelco
- MACK 014GS17004
- MACK 014GS17009
- MAN 324
- MAN 324 Type SNF
- MAN 324 Type NF
- MB DBL 7700
- MB 326.3
- MTU MTL 5048
- NAVISTAR
- NAVISTAR CEMS B-1 Type III-A
- NAVISTAR MPAPS B-1 Type III-A
- PACCAR
- PACCAR CS0185
- PETERBILT 8502.002
- SCANIA TB1451
- VOLVO/MACK
- VOLVO HEAVY TRUCK
- VOLVO 12806US
- VW TL 774G
- WAUKESHA

## Typical Characteristics - Nemco PolarZone™ Global HD Antifreeze/Coolant

Properties	Method	Performance	
		Global HD Concentrate	Global HD 50:50
Colour	Appearance	Yellow	Yellow
SPG @ 20°C	Internal	1.124	1.080
pH	D1287	8.0 - 9.0	8.0 - 9.0
Freeze point, °C(°F)	D3321	-15(5)	-37(-34.6)
Boiling point, °C(°F)	D3321	198(390)	106(223)
Glycol Content, %	D3321	≥90	≥48
Nitrites, ppm	D5827	<10	<10
Glassware Corrosion Test	D1384	-	Pass
Water Pump Cavitation Test	D2809	-	Pass
Aluminum Corrosion Test	D4340	-	Pass
John Deere Cavitation Test	D7583	-	Pass

*These characteristics are typical of current production, variations in these characteristics may occur.*

### Availability and product codes

Pack size	4x4L case	205L drum	1,000 Tote/Bulk
Global HD Conc.	AЕAFZ0139	AЕAFZ0140	Special Order*
Global HD 50:50	AЕAFZ0141	AЕAFZ0142	
Global HD 50:50 RED DYE	N/A	AЕAFZ0147*	
Availability	To order, contact us toll free 855-755-6737 or at <a href="mailto:orderdesk@nemco.ca">orderdesk@nemco.ca</a>		

### Use and Storage

Coolant concentrate should be diluted prior to use. For best performance it is recommended coolant concentrate be premixed with distilled, deionized, or demineralized water. Dilution should not fall below a 40:60 (coolant/water) ratio at initial fill. Always check your vehicle manufacturer's specifications for coolant use. Coolant typically has a shelf life of 5 years under ideal storage conditions; keep packages closed while not in use, store in a cool and dry area.

### Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under the Safety Data Sheets. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). This material

is WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used glycol to an authorized collection point. Avoid discharge into drains, soil, or water. As with any chemical, keep out of reach of children and animals.

### Quality

Nemco works with respected industry suppliers for coolant additives and our ethylene glycol meets ASTM E1177. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your local Technical Sales Representative.