



# TURBO POWER<sup>®</sup>



# COMPLETE CARE FOR DIESEL ENGINES

*Protecting your heavy duty engines*



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## HD OAT M&N – POWERED BY RECO-COOL™

HD OAT M&N Heavy Duty Diesel Extended Life Antifreeze/Coolant is based on a proprietary organic acid corrosion inhibitor package powered by RECO-COOL™ technology (OAT) with nitrite and molybdate. It protects coolant system metals against rust and corrosion and provides excellent high temperature aluminum and wet sleeve liner cavitation protection.

### Performance Features & Benefits:

- OAT base – 2-EHA Free (2 ethylhexanoic acid)
- Engineered for NEW cooling systems
- Powered by RECO-COOL™ Corrosion Inhibitor Technology
- Performance rated at up to 8 years, 15,000 hours, 1,200,000 km
- Silicate, Borate, and Phosphate free
- CAT EC-1 Compatible
- Excellent high temperature aluminum protection
- Excellent heat transfer capabilities
- Excellent liner cavitation performance
- Compatible with, but **DOES NOT** require addition of SCA or coolant extenders
- Hard water compatible
- Elastomer compatible
- Compatible with similarly formulated HDD ELC's
- Extended shelf life stability (8 years); no silicate drop-out or gel formation

**APPLICATIONS:** Designed for use in heavy duty diesel applications where extended service interval and aluminum compatibility is required. It is recommended for use in on-road truck, off-road, farm and marine engine applications including, but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR and Volvo Mack.

**COMPATIBILITY:** This lobrid antifreeze/coolant contains organic acid technology (OAT) with a small amount of inorganic additives (IAT) and is compatible with other OAT coolants with no adverse effects. While deleterious effects are not expected to be significant, mixing with conventional coolants will result in a lower than expected lifetime.

Ethylene Glycol-based Engine Coolant

### Typical Product Properties:

Characteristic	Performance	Test Method
pH (50% by vol.) <sup>a</sup>	7.8 – 8.5	ASTM D1287
Specific gravity (15.6°C/60°F) <sup>b</sup>	1.125 - 1.135	ASTM D1122
Freeze point (50% by vol.)	-37°C/-34°F	ASTM D1177
Foam volume (mL)	150 max.	ASTM D1881
Foam break time (second)	5 max.	ASTM D1881
Chloride (ppm)	25 max.	ASTM D3634
Colour	Red	
Glycol Content (wgt.%)	94 min.	
Inhibitors and Water Content (wgt.%)	6.0 max.	

<sup>a</sup> 50% volume aqueous solution

<sup>b</sup> Measured at 15.6°C/60°F

Formulated to meet and is recommended for use with the following industry and OEM coolant specifications:

ASTM D3306, D4985, D6210, D7583, AS/NZS 2108.1:1997 "Type A", BS 6580, BS5117, Caterpillar EC-1 (Section 2.3-4.5), Cummins 3666132, & 14603, Detroit Diesel 7SE 298 & 93K217, Freightliner 48-22880, GM 1825M, 1899M and Heavy Truck, Navistar / ITE CEMS B-1 Type III, JIS K2234, Kenworth R026-170-97, MACK 014GS17004, MAN 324, MTU MTL 5048, PACCAR CS0185, Peterbilt 8502.002, TMC RP 329B, TMC RP 338, Volvo and CID-A-A-52624



Item #	Formulation	Container Size	Case Pack	UPC	SCC
16-524	Concentrate	3.78 L	4	0-59934-90593-6	400-59934-90593-4
16-534	50-50 Premix	3.78 L	4	0-59934-90597-4	400-59934-90597-2
16-525	Concentrate	9.46 L	2	0-59934-90594-3	500-59934-90594-8
16-535	50-50 Premix	9.46 L	2	0-59934-90598-1	500-59934-90598-6
26-529	Concentrate	205 L drum	NA	NA	NA
26-539	50-50 Premix	205 L drum	NA	NA	NA
26-529-1000	Concentrate	1000 L tote	NA	NA	NA
26-539-1000	50-50 Premix	1000 L tote	NA	NA	NA

## HD OAT NF – POWERED BY RECO-COOL™

HD OAT NF Extended Life Antifreeze/Coolant is based on a nitrite-free proprietary organic acid corrosion inhibitor package powered by RECO-COOL™ technology (OAT). It protects the latest coolant system materials against corrosion and deterioration and provides excellent high temperature aluminum and wet sleeve liner cavitation protection.

### Performance Features & Benefits:

- Performance rated at up to 8 years, 20,000 hours, 1,600,000 km
- Engineered for NEW cooling systems
- Powered by RECO-COOL™ Corrosion Inhibitor Technology
- Compatible with, but **DOES NOT** require addition of SCA or coolant extenders
- CAT EC-1 Compatible
- Excellent high temperature corrosion performance
- 2-EHA Free (2 ethylhexanoic acid)
- Excellent heat transfer capabilities
- Excellent liner cavitation performance
- Amine, Borate, Nitrite and Silicate free
- Hard water compatible



**APPLICATIONS:** Designed for intense heavy duty diesel applications where high heat and aluminum protection is required. It is recommended for use in all on-road and off-road vehicles including, but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR/DAF and Volvo Mack.

**COMPATIBILITY:** While deleterious effects are not expected to be significant, mixing with conventional coolants will result in a lower than expected lifetime.

Ethylene Glycol-based Engine Coolant

### Typical Product Properties:

Characteristic	Performance	Test Method
pH (50% by vol.) <sup>a</sup>	7.8 – 9.0	ASTM D1287
Specific gravity (15.6°C/60°F) <sup>b</sup>	1.125 - 1.135	ASTM D1122
Freeze point (50% by vol.)	-37°C/-34°F	ASTM D1177
Foam volume (mL)	150 max.	ASTM D1881
Foam break time (second)	5 max.	ASTM D1881
Chloride (ppm)	25 max.	ASTM D3634
Colour	Gold	
Glycol Content (wtg.%)	94 min.	
Inhibitors and Water Content (wtg.%)	6.0 max.	

<sup>a</sup> 50% volume aqueous solution

<sup>b</sup> Measured at 15.6°C/60°F

Formulated to meet and is recommended for use with the following industry and OEM coolant specifications:

ASTM D3306, D4985, D6210, D7583, AS/NZS 2108.1:1997 "Type A", BS 6580, BS5117, Caterpillar EC-1, Cummins 3666132, & 14603, Detroit Diesel 7SE 298, 93K217, Freightliner 48-22880, GM 1825M, 1899M and Heavy Truck, Navistar / ITE CEMS B-1 Type III-A, JIS K2234, Kenworth R026-170-97, MACK 014GS17004 & 014GS17009, MAN 324, MTU MTL 5048, PACCAR CS0185, Peterbilt 8502.002, TMC RP 329B, TMC RP 338, Volvo and CID-A-A-52624

Item #	Formulation	Container Size	Case Pack	UPC	SCC
16-924	Concentrate	3.78 L	4	0-56438-16924-6	400-56438-16924-4
16-914	50-50 Premix	3.78 L	4	0-56438-16914-7	400-56438-16914-5
16-925	Concentrate	9.46 L	2	0-56438-16925-3	500-56438-16925-8
16-915	50-50 Premix	9.46 L	2	0-56438-16915-4	500-56438-16915-9
26-929	Concentrate	205 L drum	NA	NA	NA
26-919	50-50 Premix	205 L drum	NA	NA	NA
26-929-1000	Concentrate	1000 L tote	NA	NA	NA
26-919-1000	50-50 Premix	1000 L tote	NA	NA	NA

## HD MIXED FLEET ELC – FOR ALL VEHICLES

HD MIXED FLEET ELC Antifreeze/Coolant is based on a proprietary organic acid corrosion inhibitor package powered by RECO-COOL™ technology (OAT) that provides protection against wet sleeve liner cavitation and is compatible with the flux found in controlled atmosphere brazed (CAB) radiators.

### Performance Features & Benefits:

- Complete Mixed Fleet use; heavy duty diesel, light truck and automotive
- **Powered by RECO-COOL™** Corrosion Inhibitor Technology
- Low silicate formula; Borate, Nitrite, Amine and Phosphate free
- Performance rated at 6 years, 12,000 hours or 960,000 km
- Add as top-up to any colour antifreeze
- Protects against rust, corrosion and pitting for all coolant system metals, including aluminum
- Enhanced water pump performance
- Provides exceptional boil-over and freeze protection when used in accordance with OEM and product manufacturer's guidelines regarding product dilution
- Provides protection on a flush & fill with no coolant extender required
- Available in Concentrate and 50/50 Premix formulations



**APPLICATIONS:** Specifically designed for complete MIXED FLEET use, it is also recommended for use in all makes and models of foreign and domestic passenger vehicles, light duty and heavy duty diesel applications.

**COMPATIBILITY:** Fully compatible with IAT, HOAT and OAT coolant technologies. While deleterious effects are not expected to be significant, mixing with conventional coolants will result in a lower than expected lifetime.

Ethylene Glycol-based Engine Coolant

### Typical Product Properties:

Characteristic	Performance	Test Method
pH (50% by vol.)	7.6 - 9.0	ASTM D1287
Specific gravity (15.6°C/60°F)	1.120 - 1.140	ASTM D1122
Freeze point (50% by vol.)	-37°C/-34°F	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
Colour	Pale Yellow	
Glycol Content (wgt. %)	93 min.	
Inhibitors and Water Content (wgt. %)	7 max.	
Boron (ppm)	< 10	
Phosphorous (ppm)	< 10	

**Meets the performance requirements of:**  
 ASTM D3306, D4985, D6210, D7583, AS.NZ  
 2108.1:1997 Type A, JIS K2234, GM 1825M & 1899M,  
 BS 6580, BRP (Bombardier Recreational Products),  
 Kubota, Kobelco, DDC 93K217

**Recommended for use in:**  
 Caterpillar, Chrysler MS7170 & MS9769, Cummins  
 14603, Ford ESE-M97B44A, WSS-M97B44D,  
 WSS-M97B51-A1, Freightliner 48-22880, GM 6277M,  
 GM Heavy Truck, Navistar/ITE CEMS B-1, Kenworth,  
 MACK, PACCAR / DAF and VW TL 774G

In addition to normal product development testing, this product has been evaluated for chemical and performance compatibility with a wide range of different engine coolant technologies (including Asian, European and North American) using ASTM D1384, D2809 and D4340.

Item #	Formulation	Container Size	Case Pack	UPC	SCC
16-314	Concentrate	3.78 L	4	0-56438-16314-5	400-56438-16314-3
16-324	50-50 Premix	3.78 L	4	0-56438-16324-4	400-56438-16324-2
16-325	50-50 Premix	9.46 L	2	0-56438-16325-1	500-56438-16325-6
26-319	Concentrate	205 L drum	NA	NA	NA
26-329	50-50 Premix	205 L drum	NA	NA	NA
26-319-1000	Concentrate	1000 L tote	NA	NA	NA
26-329-1000	50-50 Premix	1000 L tote	NA	NA	NA

## HD DIESEL EXL – EXTENDED LIFE

HD Diesel Extended Life Antifreeze/Coolant is a hybrid technology product that is OEM approved and specially formulated to protect all coolant system metals and provide excellent wet sleeve liner cavitation protection.

### Performance Features & Benefits:

- Low silicate; Phosphate and Amine free
- Provides an in-service life of up to 960,000 km, 12,000 hours or 6 years, or whichever comes first, when used in combination with HD Diesel EXL Coolant Extender
- Does not require an initial charge of supplemental coolant additives (SCA)
- Designed for use in light and heavy duty diesel applications where an extended service interval is required
- Provides exceptional boil-over and freeze protection
- Available in Concentrate and 50/50 Premix formulations



**APPLICATIONS:** Recommended for use in on-road truck, off-road, farm, marine and stationary applications including, but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR and Volvo Mack.

**COMPATIBILITY:** Specially formulated to protect heavy duty diesel wet sleeve liners, it is compatible with coolant filters, heavy duty diesel SCAs, hard water and other low silicate extended life engine coolants. While deleterious effects are not expected to be significant, mixing with conventional coolants will result in a lower than expected lifetime.

Ethylene Glycol-based Engine Coolant

### Typical Product Properties:

Characteristic	Performance	Test Method
pH (50% by vol.)	7.5 - 8.6	ASTM D1287
Specific gravity (15.6°C/60°F)	1.125 - 1.140	ASTM D1122
Freeze point (50% by vol.)	-37°C/-34°F	ASTM D1177
Foam volume (mL)	150 max.	ASTM D1881
Foam break time (second)	5 max.	ASTM D1881
Reserve Alkalinity (mL)	6.0 min.	ASTM D1121
Chloride (ppm)	25 max.	ASTM D3634
Silicon (ppm)	250 max.	ASTM D6130
Colour	Red	
Glycol Content (wgt.%)	94 min.	
Inhibitors and Water Content (wgt.%)	6.0 max.	

Formulated to meet and is recommended for use with the following industry and OEM coolant specifications:

ASTM D3306, D6210, D7583  
 CAT EC-1  
 CID-A-A-52624  
 Detroit Diesel 7SE298  
 Japanese Standard JIS K2234  
 MTU MTL 5048  
 TMC RP 329  
 Cummins  
 PACCAR CS0185

Item #	Formulation	Container Size	Case Pack	UPC	SCC
16-734	Concentrate	3.78 L	4	0-56438-16734-1	400-56438-16734-9
16-834	50-50 Premix	3.78 L	4	0-56438-16834-8	400-56438-16834-6
26-739	Concentrate	205 L drum	NA	0-56438-26739-3	NA
26-839	50-50 Premix	205 L drum	NA	0-56438-26839-0	NA
26-738-1000	Concentrate	1000 L tote	NA	NA	NA
26-838-1000	50-50 Premix	1000 L tote	NA	NA	NA

## HD DIESEL – HEAVY DUTY

**HD DIESEL Antifreeze/Coolant** is a superior fully formulated traditional engine coolant based on a proprietary formulation of corrosion inhibitors to protect against cavitation and corrosion of all common coolant system metals.

### Performance Features & Benefits:

- Low silicate; Phosphate free
- Aluminum compatible (safe for use in aluminum engines)
- Does not require an initial charge of supplemental coolant additives (SCA) upon initial fill
- Advanced liner pitting and corrosion protection
- Recommended for use where a heavy duty diesel coolant is required; including, but not limited to Caterpillar, Cummins, Detroit Diesel, Ford, GM and Volvo Mack
- Provides exceptional boil-over and freeze protection
- Available in Concentrate and 50/50 Premix formulations



**APPLICATIONS:** Recommended for multi-vehicle fleets including automotive, light duty and heavy duty diesel applications such as on-road trucks, off-road and farm applications.

**COMPATIBILITY:** Specially formulated to protect heavy duty diesel wet sleeve liners, it is compatible with coolant filters, heavy duty diesel SCAs, hard water and other traditional fully formulated corrosion inhibited engine coolants.

Ethylene Glycol-based Engine Coolant

### Typical Product Properties:

Characteristic	Performance	Test Method
pH (50% by vol.)	10 - 11	ASTM D1287
Specific gravity (15.6°C/60°F)	1.110 - 1.140	ASTM D1122
Freeze point (50% by vol.)	-37°C/-34°F	ASTM D1177
Foam volume (mL)	150 max.	ASTM D1881
Foam break time (second)	5 max.	ASTM D1881
Reserve Alkalinity (mL)	10.0 min.	ASTM D1121
Chloride (ppm)	25 max.	ASTM D3634
Silicon (ppm)	250 max.	ASTM D6130
Colour	Purple	
Glycol Content (wgt.%)	95 min.	
Inhibitors and Water Content (wgt.%)	5 max.	

Formulated to meet and is recommended for use with the following industry and OEM coolant specifications:

ASTM D3306, D4985, D6210  
 Detroit Diesel 75E298, 93K217  
 GM 1825M, 1899M  
 TMC RP 329B

Item #	Formulation	Container Size	Case Pack	UPC	SCC
16-284	Concentrate	3.78 L	4	0-56438-16284-1	400-56438-16284-9
16-474	50-50 Premix	3.78 L	4	0-56438-16474-6	400-56438-16474-4
16-285	Concentrate	9.46 L	2	0-56438-16285-8	500-56438-16285-3
16-475	50-50 Premix	9.46 L	2	0-56438-16475-3	500-56438-16475-8
26-289	Concentrate	205 L drum	NA	0-56438-26289-3	NA
26-479	50-50 Premix	205 L drum	NA	0-56438-26479-8	NA
26-289-1000	Concentrate	1000 L tote	NA	NA	NA
26-479-1000	50-50 Premix	1000 L tote	NA	NA	NA

# HD Diesel Engines


## Coolant Selection Guide

### Properties

### RECO-COOL™

### Corrosion Inhibitor Technology



				
<b>Turbo Power HD OAT M&amp;N<sup>1</sup></b>	<b>Turbo Power HD OAT NF</b>	<b>Turbo Power HD Mixed Fleet ELC</b>	<b>Turbo Power HD Diesel EXL<sup>1</sup></b>	<b>Turbo Power HD Diesel<sup>1</sup></b>
Heavy duty diesel applications where an extended service interval and aluminum compatibility is required. Recommended for use in on-road truck, off-road, farm and marine engine applications including but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR and Volvo Mack.	Heavy duty diesel applications where high heat and aluminum protection is required. Recommended for use in all on-road and off-road vehicles including but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR/DAF and Volvo Mack.	Complete mixed fleet use; all makes, all models of foreign and domestic automotive, light truck and heavy duty diesel.	Light and heavy duty diesel applications where an extended service interval is required. Recommended for use in on-road truck, off-road, farm, marine and stationary applications including, but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR and Volvo Mack.	Multi-vehicle fleets including older model automotive, light duty and heavy duty diesel applications such as on-road truck, off road and farm applications. Recommended for use where a heavy duty diesel coolant is required, including, but not limited to Caterpillar, Cummins, Detroit Diesel, Ford, GM and Volvo Mack.
Yes	Yes	Yes	Yes	Yes
Ethylene glycol	Ethylene glycol	Ethylene glycol	Ethylene glycol	Ethylene glycol
7.8 - 8.5	7.8 - 9.0	7.6 - 9.0	7.5 - 8.6	10 - 11
<b>Red</b>	<b>Gold</b>	<b>Pale Yellow</b>	<b>Red</b>	<b>Purple</b>
ASTM D3306, D4985, D6210, D7583 • AS/NZS 2108.1:1997 "Type A" • BS 6580, B55117 • Caterpillar EC-1 • Cummins 3666132 & 14603 Detroit Diesel 75E 298, 93K217 • Freightliner 48-22880 • GM 1825M, 1899M and Heavy Truck • Navistar /ITE CEMS B-1 Type III • JIS K2234 • Kenworth R026-170-97 • MACK 014G517004 • MAN 324 • MTU MTL 5048 PACCAR CS0185 • Peterbilt 8502.002 • TMC RP 3298 • Volvo • CID-A-A-52624	ASTM D3306, D4985, D6210, D7583 • JIS K2234 • AS/NZS 2108.1:1997 "Type A", • BS 6580, B55117 • Caterpillar EC-1 • Cummins 3666132 & 14603 • CID-A-A-52624 • Detroit Diesel 75E 298, 93K217 • Freightliner 48-22880 • GM 1825M, 1899M and Heavy Truck • Navistar /ITE CEMS B-1 Type III • Kenworth R026-170-97 • MACK 014G517004 & 014G517009 • MAN 324 • MTU MTL 5048 • PACCAR CS0185 • Peterbilt 8502.002 • TMC RP 3298 • Volvo • CID-A-A-52624	ASTM D3306, D4985, D6210, D7583 • AS/NZ 2108.1:1997 Type A • JIS K2234 • GM 1825M & 1899M • BS 6580, BRP (Bombardier Recreational Products) • Kubota • Kobelco • DDC 93K217 <b>Recommended for use in:</b> Caterpillar • Chrysler MS7170 & MS9769 • Cummins 14603 • Ford ESE-M97B44A, WSS-M97B44D, WSS-M97B51-A1 • Freightliner 48-22880 • GM 6277M, GM Heavy Truck • Navistar/ITE CEMS B-1 • Kenworth • MACK • PACCAR / DAF • VW TL 774G	ASTM D3306, D6210, D7583 Japanese Standard JIS K2234 TMC RP329 Detroit Diesel 75E298 CAT EC-1 MTU MTL 5048 CID-A-A-52624 Cummins PACCAR CS0185	ASTM D3306 Asian D4985 ASTM D6210 GM 1825M, 1899M TMC RP 3298 Detroit Diesel 75E298, 93K217
<b>CONCENTRATE</b>	16-524, 16-525, 26-529, 26-529-1000	16-924, 16-925, 26-929, 26-929-1000	16-734, 26-739, 26-738-1000	16-284, 16-285, 26-289, 26-289-1000
<b>50/50 PREMIX</b>	16-534, 16-535, 26-539, 26-539-1000	16-914, 16-915, 26-919, 26-919-1000	16-834, 26-839, 26-838-1000	16-474, 16-475, 26-479, 26-479-1000
<b>Recommended change interval</b>	Up to 8 years, 15,000 hours or 1,200,000 km	Up to 8 years, 20,000 hours or 1,600,000 km	Up to 6 years, 12,000 hours or 960,000 km (heavy duty diesel)	Up to 6 years, 12,000 hours or 960,000 km
<b>SCA or coolant extender</b>	Coolant extender compatible.		SCA extender compatible, use only as required by OEM.	SCA compatible, monitor and add SCA only as required as per OEM instructions.

**Product size availability: 3.78 L, 9.46 L, 205 L and 1000 L.**

Information above includes recommendations for aftermarket coolants. Refer to owner's manual for suggested manufacturer's coolants and warranty issues.  
1. A propylene glycol-based version of this product is available, based on demand.

# HD Diesel Engines Coolant Cross Reference Chart



RECO-COOL™ Corrosion Inhibitor Technology

Competitive Coolant Brand →	Antifreeze Colour →	RECO-COOL™ Corrosion Inhibitor Technology				
		Turbo Power HD OAT M&N	Turbo Power HD OAT NF	Turbo Power HD Mixed Fleet ELC	Turbo Power HD Diesel EXL	Turbo Power HD Diesel
		Nitrite Solutions	Nitrite Free Solutions	Nitrite Free Solutions	Nitrite Solutions	Nitrite Solutions
CAT DEAC/NGEC	Magenta (Pink)	No	No	Yes	Yes	Yes
CAT ELC	Red	Yes	Yes	Yes	Yes	No
Cummins Fleet Cool ES	Blue	No	No	Yes	Yes	Yes
Cummins ES Compleat	Blue	No	No	Yes	Yes	Yes
Cummins ES Compleat OAT	Red	Yes	Yes	Yes	No	No
Chevron Havoline Conventional / Antifreeze	Green	No	No	Yes	Yes	Yes
Chevron Delo ELC	Red	Yes	Yes	Yes	Yes	No
Chevron Delo ELC - Nitrite Free	Gold	Yes	Yes	Yes	No	No
DDC Power Cool Diesel	Purple	No	No	Yes	Yes	Yes
DDC Power Cool Plus	Red	Yes	Yes	Yes	No	No
Peak Fleet Charge	Pink	No	No	Yes	Yes	Yes
Peak Final Charge NOAT	Red	Yes	Yes	Yes	Yes	No
Peak Final Charge Global	Red / Gold	Yes	Yes	Yes	No	No
Prestone Command HD Extended Service	Purple	No	No	Yes	Yes	Yes
Prestone Command HD ELC	Red	Yes	Yes	Yes	No	No
Prestone Command HD - Nitrite Free	Gold	Yes	Yes	Yes	No	No
Volvo VCS	Yellow	Yes	Yes	Yes	No	No



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The information above includes recommendations for aftermarket coolants. Refer to owner's manual for suggested manufacturer's coolants and warrantee issues.



## AIR1® DEF

**Diesel Exhaust Fluid (DEF)** is a pure, aqueous solution of urea (32.5%) and water, used in new diesel powered engines with Selective Catalytic Reduction (SCR) technology. This operating fluid is contained in a separate DEF tank and is sprayed into the exhaust to chemically reduce the engine's nitrogen oxide (NO<sub>x</sub>) emission levels and lower the impact of vehicle emissions on the environment.

### Performance Features & Benefits:

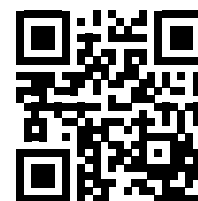
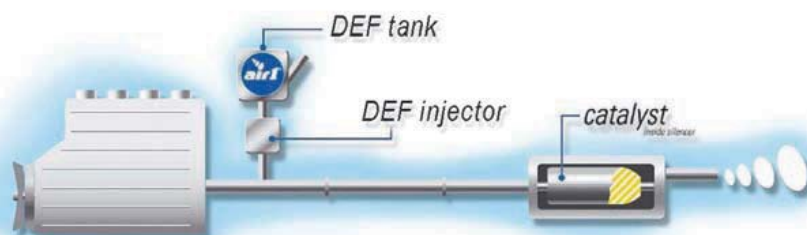
- Reduces NO<sub>x</sub> gases into harmless nitrogen (N<sub>2</sub>) & water vapour
- Safe to use; a non-hazardous, non-toxic, non-flammable fluid
- DEF freezes at -11°C/12°F; Frozen DEF can be thawed & used without concern of product degradation
- Official shelf life is 12 months when specific storage conditions are observed
- Meets automotive industry specification defined by ISO 22241
- API certified for purity guarantee



**APPLICATION:** DEF is used in trucks and buses powered by diesel engines to reduce emission levels to the required limits set by the EPA as of January 1, 2010. To avoid damage in the catalytic converter and prevent loss of engine warranty coverage, the DEF tank should be filled with the operating fluid. DEF consumption is about 3% of the vehicle's diesel fuel consumption or 11 litres (3 gallons) DEF/378 litres (100 gallons) diesel fuel. It is not a fuel and should not be mixed with diesel fuel.

**SCR Technology:** Leading North American manufacturers of diesel vehicles have adopted Selective Catalytic Reduction (SCR) technology for reducing emission levels to the required limits. It is the only technology that reduces exhaust fume emissions while allowing optimum engine operation in terms of performance and fuel consumption.

SCR technology reduces harmful nitrogen oxide (NO<sub>x</sub>) gas emissions produced inside the engine during combustion. The correct volume of DEF is sprayed into the exhaust, where it is hydrolyzed before the catalytic converter breaks down NO<sub>x</sub> into nitrogen (N<sub>2</sub>) and water to be released into the air.



Diesel Exhaust Fluid (DEF) & Selective Catalytic Reduction (SCR) video

Air1® is a registered trademark of Yara International ASA. Produced by Yara.

Item #	Container Size	Case Pack	UPC	SCC
55-124AIR	3.78 L bottle	4	7-63630-20001-0	107-63630-20001-7
55-126AIR (Montréal only)	9.46 L box	1	7-63630-20251-9	NA
55-125AIR	9.46 L bottle	2	7-63630-20251-9	107-63630-20251-6
55-129AIR	208 L drum	NA	0-59934-90565-3	NA
55-129AIR-1000	1040 L tote	NA	NA	NA
55-129AIR-1250	1250 L tote	NA	NA	NA



## BLUE NETWORK™ PROGRAM

Our Blue Network™ program allows members to have access to uninterrupted supply of diesel exhaust fluid (DEF) wherever they may be located in Canada. We harness the supply chain efficiencies of our DEF delivery partners while leveraging our purchasing power to offer a cost-effective Liquid, Equipment and Sales Support solution. It doesn't end there; Blue Network™ maintains a comprehensive, national quality assurance program ensuring product integrity throughout the entire supply chain.

## LIQUID AVAILABILITY

Blue Network™ encompasses a national supply network with primary urea locations in Belle Plain, SK and Salaberry-de-Valleyfield, QC. Combined with Recochem's state-of-the-art packaging/transloading facilities in Vancouver, Edmonton, Milton, Montreal, Saint John and a multitude of critical mass distribution centres, Blue Network™ offers continuous and uninterrupted fluid availability nationwide.

## EQUIPMENT SOLUTIONS



We offer members quality equipment from reputed manufacturers for drum, tote and bulk storage and dispensing solutions. Closed and sealed systems help to ensure DEF purity from contamination throughout the supply chain:

### Install – Fill – Transport – Dispense – Storage

A complete range of equipment needs - pumps, valves, couplers, flow metres etc. - are available for professional installs, site specific and engineer specified installations.

## SUPPORT SOLUTIONS

Blue Network™ provides its members with the tools to sell and market DEF to their customers. Pricing tools, promotional literature and on-site sales training are some of the benefits of Blue Network™ membership.

## QUALITY

Whether your customers find themselves in Cole Harbour, NS or Prince George, BC, as a member of Blue Network™ you can rest assured your customers will receive the highest purity DEF. This guarantee in supply chain purity is carried out by our team of Blue Network™ auditors; they assure DEF purity is maintained throughout the supply chain by way of annual on-site audits. From manufacturing to the end of the dispensing nozzle, we've got it covered.



[www.bluenetwork.ca](http://www.bluenetwork.ca)

## PREMIUM DIESEL FUEL CONDITIONER — WITH ANTI-GEL

**Premium Diesel Fuel Conditioner** promotes Anti-gel Winter Performance and is especially suited for use in extreme cold temperature operations. As a diesel fuel additive, it prevents fuel filter plugging down to -43°C and reduces fuel's pour point by 12°C to help avoid inefficient operation or costly engine down time. It cleans and prevents moisture and deposit formation while providing lubrication to the fuel system for overall premium extended corrosion and wear protection.

### Performance Features & Benefits:

- Special "anti-gel" additives promote strong cold start and combustion performance at extreme low temperatures
- Cleans and lubricates fuel system
- Improves cetane rating
- Sulphur free
- Improves fuel economy by increasing power and mileage while reducing harmful emissions

**APPLICATION:** Premium Diesel Fuel Conditioner is safe for year round use. A sulphur free product, it is suitable for use with all diesel fuel types, including bio-blends and ultra low sulphur (ULSD) grade. It mixes readily in diesel fuel and can be handled and applied down to -40°C.

**Note:** It will not void vehicle manufacturer's warranty.



### Treat rate for Premium Diesel Fuel Conditioner

	Add 100 mL Treatment to	Add 1 bottle (1.89 L) Treatment to
Winter Conditions (below 0°C)	63 L fuel	1200 L fuel
Seasonal Conditions (above 0°C)	190 L fuel	3600 L fuel

Item #	Container Size	Case Pack	UPC	SCC
15-292	1.89 L bottle	6	0-56438-15292-7	600-56438-15292-9

## DIESEL FUEL CONDITIONER

**Diesel Fuel Conditioner** prevents and thaws frozen fuel lines in diesel engine systems. Eliminating moisture in fuel tanks, this product impedes internal tank corrosion and helps maintain injector nozzle cleanliness. It also aids in reducing smoke in the system.

### Performance Features & Benefits:

- Removes moisture and cleans fuel system
- Sulphur free
- Prevents and thaws frozen fuel lines
- Helps remove gum and sludge from entire fuel system

**APPLICATION:** Diesel Fuel Conditioner is designed for use in all types of diesel engines.

### Treat rate for Diesel Fuel Conditioner

Add 100 mL Treatment to	Add 1 bottle (1 L) Treatment to
227 L Diesel fuel oil	2270 L Diesel fuel oil

Item #	Container Size	Case Pack	UPC	SCC
15-281	1 L bottle	6	0-56438-15281-1	600-56438-15281-3



## AIR BRAKE ANTIFREEZE

**Air Brake Antifreeze** helps guard the brake lines on diesel trucks, buses and construction equipment against freeze-up for complete winter protection. For maximum protection, use this product year-round to absorb moisture, provide corrosion protection and reduce brake failure.

### Performance Features & Benefits:

- Prevents frozen air lines during winter temperatures
- Contains lubricants to minimize wear of valves and seals
- Readily absorbs condensation within the air brake systems
- Methanol-based for fast results

**APPLICATION:** Air Brake Antifreeze is recommended for use in the vehicle's evaporation reservoir tank or the air line hose on the supply tank.

Item #	Container Size	Case Pack	UPC	SCC
15-261	1 L bottle	6	0-56438-15261-3	600-56438-15261-5
15-264	3.78 L bottle	4	0-56438-15264-4	400-56438-15264-2
15-268	18.9 L pail	NA	0-56438-15268-2	NA
25-269	205 L drum	NA	NA	NA



## METHYL HYDRATE

**Methyl Hydrate** is 99.9% guaranteed pure. During cold weather temperatures, methyl hydrate works well for defrosting air line hoses on tractor trailers and other commercial vehicles.

### Performance Features & Benefits:

- 99.9% pure
- Provides fast results during extreme cold temperatures
- Low freeze point, remains fluid and suitable for de-icing applications

**APPLICATION:** Methyl Hydrate is not an anti-freeze for diesel fuel. Do not add to diesel fuel, or use as a fuel.

Item #	Container Size	Case Pack	UPC	SCC
13-394HD	3.78 L bottle	4	0-56438-53394-8	400-56438-53394-6
13-398HD	18.9 L pail	NA	0-56438-53398-6	NA
23-399HD	205 L drum	NA	0-56438-53399-3	NA
23-399-1000	1000 L tote	NA	NA	NA



## PARTS CLEANER

**Parts Cleaner** quickly removes dirt, oily residue and grease on engine parts and chassis. Its powerful cleaning action helps dissolve and remove grease and grime on large or finely machined metal parts without the use of special tools for a shiny engine finish.

### Performance Features & Benefits:

- Ultra low odour, non-aromatic grade of petroleum distillates
- Removes tar and oil deposits without leaving any residue
- For engine parts and chassis
- Safe for use on metallic and porcelain surfaces including engines and small parts

**APPLICATION:** Use only on cool surfaces. Avoid prolonged exposure on rubber and polymer surfaces. Product can be used in Parts Washer equipment able to handle combustible fluids.

Item #	Container Size	Case Pack	UPC	SCC
13-838	18.9 L pail	NA	0-56438-13838-9	NA

