

### FOR EVERY HD APPLICATION

CHOOSE YOUR INDUSTRY TO FIND THE PRODUCT THAT'S RIGHT FOR YOU.



#### **PRODUCT GUIDE**







### PROFESSIONAL HEAVY DUTY ANTIFREEZE/COOLANT



### **ONE FOCUS.** HD ENGINE COOLANT.





HD EXPERT<sup>®</sup> is focused on formulating heavy duty engine antifreeze/coolants that get the job done - so you can keep doing yours. Our specialized formulas are made for the hardest working heavy duty engines on earth.

#### **ADVANCED COOLANT TECHNOLOGY**

HD EXPERT®'s team of researchers and technicians have fine-tuned our line-up of HD coolants, each offering the most advanced technology for maximum performance.

CORROSION PREVENTION

A clean engine is a cool engine. Our specialized formulas stop corrosion in its tracks for all cooling system metals.

#### THERMAL INTEGRITY

Calibrated to handle the most extreme climate conditions, our formulas enable efficient heat transfer to regulate critical system temperatures.

#### LONGEVITY

Our coolants combine unique corrosion inhibitors and superior functional additives, providing optimum performance and maximum stability.

	CLASSIC	PREMIUM
CORROSION INHIBITOR	CONVENTIONAL	HYBRID
LIQUID COLOR	PURPLE	RED
APPLICATION	The low silicate level of this aluminum compatible product allows it to be used in older model automotive, light duty, heavy duty diesel and natural gas engine (NGE) applications such as on- road truck, off-road and farm equipment. This includes, but is not limited to, Caterpillar, Cummins, Detroit Diesel, Ford, Freightliner, GM, International Truck and Engine, Kenworth, Paccar, Peterbilt, Volvo/Mack, Western Star and other HD and industrial application where a fully formulated conventional HD coolant is required.	It is designed for use in older model light and heavy duty diesel applications where an extended service interval is required and is 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.
FORMULATION	• LOW SILICATE • PHOSPHATE FREE • FULLY FORMULATED • SCA PRE-CHARGED	• LOW SILICATE • PHOSPHATE, AMINE & 2-EHA FREE • CAT EC-1 COMPATIBLE • HOAT
SPECIFICATION / PERFORMANCE LEVEL	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: • ASTM D3306/D6210 • AS/NZS 2108.2004 Type A • CNHi MAT 3720 • Detroit Diesel Fluid Specification DFS93K217SLC • JCB • New Flyer eBus • TMC RP 329B RECOMMENDED AND SUITABLE FOR USE WITH: • Caterpillar • CNHi MAT 3620 • Cummins CES 14603/14439/3666132 • Ford ESE-M97B44-A/ESE-M97B44-C • GM 1825M/1899M • GM Heavy Truck • International Truck • Kenworth • Kubota • Mack • Navistar MPAPS B-1 Type II • PACCAR • Peterbilt • Volvo Heavy Truck	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: • ASTM D3306/D6210/D7583 • AS/NZS 2108.2004 Type A • Chrysler MS-9769 • MTU MTL 5048 • TMC RP 364 RECOMMENDED AND SUITABLE FOR USE WITH: • Caterpillar • CAT Stationary Engines (Gas/Diesel) • CNHi MAT 3720/3620 • Cummins 14603/14439/3666132 • DDC 7SE 298 • Deutz DQC CA-14 • Ford WSS-M97B51-A1 • GM 1825M/1899M • International Truck • JCB STD00088 • Kenworth • Mack STD 418-0003 • MAN 324 N • Navistar MPAPS B-1 Type III • PACCAR • Perkins Diesel • Volvo Heavy Truck STD 418-0003 • Waukesha Stationary Gas Engines
RECOMMENDED CHANGE INTERVAL	UP TO 2 YEARS OR 400,000 km (250,000 MILES)	UP TO 6 YEARS, 12,000 HOURS OR 960,000 km (600,000 MILES)
ITEM NUMBERS	CONCENTRATE: 16-284 PREMIXED: 16-474	CONCENTRATE: 16-734 PREMIXED: 16-834



HD EXPERT<sup>®</sup>'s proprietary OAT corrosion inhibitor, PRO SHIELD<sup>®</sup>, protects the latest cooling system materials against corrosion and deterioration and provides excellent high temperature aluminum and wet sleeve liner cavitation protection. • REDUCED NEED FOR COOLANT EXTENDER • 2-EHA FREE ORGANIC ADDITIVE TECHNOLOGY









		1	
	EXTRA	EXTREME	ENDURANCE
CORROSION INHIBITOR	PRO SHIELD	PRO SHIELD	PRO SHIELD
LIQUID COLOR	PALE YELLOW	RED	RED
APPLICATION	Designed for "Mixed Fleet" use in all makes and models of passenger vehicles, light duty and heavy duty diesel vehicles, including on-road, off-road, construction and farm applications. This nitrite-free product eliminates the need to carry multiple coolants to service different engines, providing for added value.	Ideally suited for heavy duty diesel applications where extended service interval and aluminum compatibility is required of a nitrite based, silicate free coolant, including on-road truck, off-road, farm and marine engine applications.	OEM* approved and offering the longest service life possible, Endurance L415 is ideal for the newer cooling systems in any on-road and off-road application. *OEM Approved: HD EXPERT® Endurance L415 Antifreeze/Coolant now carries multiple formal OEM approvals including, Cummins, Detroit Diesel, Daimler Truck, MAN, MTU, Navistar International, Volvo, and Deutz for wide application breath and assurance for any HD applications.
FORMULATION	COMPATIBLE WITH MOST ENGINE COOLANT TECHNOLOGIES     BNAP (BORATE, NITRITE, AMINE, PHOSPHATE) & 2-EHA FREE	NITRITE & MOLYBDATE RICH     MEETS CAT EC-1 SPECIFICATION*     BAPS (BORATE, AMINE, PHOSPHATE, SILICATE) & 2-EHA FREE     NOAT	SUPERIOR ALUMINUM PROTECTION     NO SCA OR EXTENDER NEEDED     BNAPS (BORATE, NITRITE, AMINE, PHOSPHATE, SILICATE) & 2-EHA FREE
SPECIFICATION / PERFORMANCE LEVEL	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: • ASTM D3306/D6210/D7583 • TMC RP 364 RECOMMENDED AND SUITABLE FOR USE WITH: • Caterpillar • Chrysler MS-7170/MS-9769 • CNHi MAT 3724/3624 • Cummins CES 14603/14439/14636 • DAF 74002 • DDC 7SE 298, 93K217 • Daimler Truck DTFR 29C120/29D120 • Deutz DQC CC-14 • Freightliner GM 1825M/1899M • International Truck • JCB STD00088 • Kenworth • Kobelco • Kubota • Liebherr • Mack • MAN 324 Typ Si-OAT • MB Approval 325.5/326.5 • MTU MTL 5048 • PACCAR • Peterbilt • Scania • Volvo Truck • VW TL 774-G	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: • ASTM D3306/D6210/D7583 • CAT EC-1 Specification* • Cummins CES 14603 • TMC RP 364 RECOMMENDED AND SUITABLE FOR USE WITH: • Caterpillar Stationary Gas Engines • Cummins 14603/14439/3666132 • Deutz DQC CB-14 • Ford WSS-M97B51-A1 • Hino Diesel Truck • Isuzu Diesel Truck • Isuzu Diesel Truck • JCB STD00088 • Mack STD 418-0003 • MAN 324 N • MTU MTL 5048 • Navistar MPAPS B-1 Type III • Kobelco • Kenworth • PACCAR • Peterbilt • Volvo STD 418-0003 • Wärtsilä Stationary Diesel Engines • Waukesha Stationary Natural Gas Engines	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: • ASTM D3306/D6210/D7583 • AFNOR • Cummins CES 14603 • Daimler Truck DTFR 29C110 (previously known as 325.3) • Detroit Diesel Fluid Specifications 93K217 • Deutz DQC CB-14 • JIS K2234 • MAN 324 SNF • MTU MTL 5048 • Navistar MPAPS B-1 Type III A • SAE J 814 • TMC RP364 • Volvo/Mack RECOMMENDED AND SUITABLE FOR USE WITH: • Case New Holland (CNHi) • AGCO • Caterpillar • DAF • Detroit Diesel DDC • Fendt • Freightliner • GM Heavy Truck • International • John Deere • Kenworth • Komatsu • Kubota • PACCAR • Peterbilt • Scania • Waukesha
RECOMMENDED CHANGE INTERVAL	AUTOMOTIVE LIGHT DUTY: UP TO 5 YEARS OR 250,000 km (150,000 MILES) HEAVY DUTY DIESEL: UP TO 6 YEARS, 12,000 HOURS OR 960,000 km (600,000 MILES)	UP TO 8 YEARS, 15,000 HOURS OR 1,200,000 km (750,000 MILES) with the use of an extender	UP TO 8 YEARS, 20,000 HOURS OR 1,600,000 km (1,000,000 MILES)
ITEM NUMBERS	CONCENTRATE: 16-314 PREMIXED: 16-324	CONCENTRATE: 16-524 PREMIXED: 16-534	CONCENTRATE: 16-924R PREMIXED: 16-914R

\*Meets CAT EC-1 physical and chemical properties and compatibility characteristics.



HD EXPERT®'s proprietary OAT corrosion inhibitor, PRO SHIELD", protects the latest cooling system materials against corrosion and deterioration and provides excellent high temperature aluminum and wet sleeve liner cavitation protection.

REDUCED NEED FOR COOLANT EXTENDER 2-EHA FREE ORGANIC ADDITIVE TECHNOLOGY



AGAINST EXTREME TEMPERATURES AGAINST WET SLEEVE LINER CAVITATION



solutions have been developed and tested to guarantee compatibility with battery and hybrid vehicles, ensuring optimal mechanical and battery protection in indirect cooling systems. EVX<sup>™</sup> conventional coolants provide excellent chemical stability, specific light duty and heavy duty vehicle standard ethylene glycol (EG) purity and extended corrosion protection.



	EXTEND
CORROSION INHIBITOR	PRO SHIELD
LIQUID COLOR	PINK
APPLICATION	Designed and recommended for intense service heavy duty electrically powered vehicles (EVs), including on-road, off-road, construction, marine, mining and agricultural.
FORMULATION	• CONDUCTIVITY: < 5000 µS/cm • BNAPS (BORATE, NITRITE, AMINE, PHOSPHATE, SILICATE) & 2-EHA FREE • EXTENDED CORROSION PROTECTION
SPECIFICATION / PERFORMANCE LEVEL	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: • ASTM D3306/D6210/D7583 • CNHi MAT 3724 • New Flyer eBus • TMC RP364 RECOMMENDED AND SUITABLE FOR USE WITH: • Caterpillar • Chrysler MS.90032/MS.50203/MS-12106 • CNHi MAT 3624 • Cummins CES 14603/14439/14636 • DAF 74002 • Daimler Truck DTFR 29C110/29D110 • Detroit Diesel Fluid Spec. DFS93K217 • Deutz DQC CB-14 • Deutz Stationary Diesel Engines • Ford WSS-M97B44-D • GMW3420/GM6277M • Jenbacher Stationary Natural Gas Engines • Kobelco • Komatsu KES 07.892 • MTU MTL 5048 • Navistar MPAPS B1-Type III A • Mack • MAN 324 Typ SNF • MB Approval 325.3 (conc.)/326.3 (50/50) • MWM • Scania • Vestas Wind Turbine Power Electronics — External Coolant System • Volvo • VW TL774-F • Wärtsilä Stationary Diesel Engines
RECOMMENDED CHANGE INTERVAL	UP TO 6 YEARS, 12,000 HOURS OR 960,000 km (600,000 MILES) This mileage is meant for HD applications.
ITEM NUMBER	PREMIXED: 16-454



FEATURING HD EXPERT®'S LEGACY TECHNOLOGY, CLASSIC IS A TRADITIONAL COOLANT IDEALLY SUITED FOR OLDER\* VEHICLES.

### CLASSIC FORMULATION EXCELLENT VALUE

#### **CONVENTIONAL DIESEL**

HD EXPERT® Classic Antifreeze/Coolant is a superior, fully formulated traditional engine coolant based on a proprietary formulation of corrosion inhibitors. The low silicate level of this aluminum compatible product allows it to be used in automotive, light duty, heavy duty diesel, and natural gas engine applications such as on-road trucks, off-road and farm equipment. It is recommended for use where a fully formulated heavy duty diesel coolant is required. This includes, but is not limited to, Caterpillar, Cummins, Detroit Diesel, Ford, Freightliner, GM, International Truck and Engine, Kenworth, Paccar, Peterbilt, Volvo/Mack and Western Star. This product is phosphate and amine free and does not require an initial charge of supplemental coolant additives (SCA) upon initial fill. It is 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.

- · Low silicate; phosphate and amine free
- Aluminum compatible
- Classic Conventional Diesel recommended for use where a fully formulated heavy duty diesel coolant is required
- SCA pre-charged
- For automotive, light duty, heavy duty diesel and natural gas engine applications (on-road truck, off-road, farm equipment)
- Protects heavy duty diesel wet sleeve liners

Navistar MPAPS B-1 Typ II

Volvo Heavy Truck

• Mack

• PACCAR

Peterbilt

# MEETS OR EXCEEDS PERFORMANCE<br/>REQUIREMENTS OF:RECOMMENDED AND SUITABLE<br/>FOR USE WITH:• ASTM D3306/D6210<br/>• AS/NZS 2108.2004 Type A<br/>• CNHi MAT 3620<br/>• CNHi MAT 3720<br/>• Detroit Diesel Fluid Specification<br/>DFS93K217SLC<br/>• JCB• Caterpillar<br/>• Caterpillar<br/>• CNHI MAT 3620<br/>• Cummins CES 14603/14439/3666132<br/>• Ford ESE-M97B44-A/ESE-M97B44-C<br/>• GM 1825M/1899M<br/>• GM Heavy Truck

- International Truck
- International Truc
- Kenworth
- Kubota

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#### **PRODUCT PACKAGING SPECIFICATIONS**

FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc
Concentrate	3.78 L	4	0-56438-16284-1	400-56438-16284-9
50-50 premixed	3.78 L	4	0-56438-16474-6	400-56438-16474-4
Concentrate	9.46 L	2	0-56438-16285-8	500-56438-16285-3
50-50 premixed	9.46 L	2	0-56438-16475-3	500-56438-16475-8
	Concentrate 50-50 premixed Concentrate	Concentrate     3.78 L       50-50 premixed     3.78 L       Concentrate     9.46 L	Concentrate         3.78 L         4           50-50 premixed         3.78 L         4           Concentrate         9.46 L         2	Concentrate         3.78 L         4         0-56438-16284-1           50-50 premixed         3.78 L         4         0-56438-16284-1           Concentrate         9.46 L         2         0-56438-16285-8

DRUM/TOTE

New Flyer eBus
 TMC RP329B

ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc
26-289	Concentrate	208 L / 55 USG	-	0-56438-26289-3	-
26-479	50-50 premixed	208 L / 55 USG	-	0-56438-26479-8	-
26-289-275	Concentrate	1041 L / 275 USG	-	0-56438-90787-9	-
26-479-275	50-50 premixed	1041 L / 275 USG	-	0-56438-90788-6	-

\*Recommended for on-road heavy duty vehicles requiring a nitrite-based antifreeze/coolant.



CONTACT US: CUSTOMERSERVICE.MTL@RECOCHEM.COM 1-800-361-6030



HYBRID TECHNOLOGY OFFERING AN EXTENDED SERVICE LIFE, PREMIUM IS DESIGNED FOR BOTH LIGHT AND HEAVY DUTY DIESEL ENGINES.

### YOUR ENGINE DESERVES PREMIUM

#### **EXTENDED LIFE DIESEL**

HD EXPERT<sup>®</sup> Premium Antifreeze/Coolant is a low silicate, nitrite-based hybrid technology product that does not require a charge of SCA or coolant extender at initial fill. This product protects all coolant system metals and provides excellent wet sleeve liner cavitation protection. It is intended for use in older model light and heavy duty diesel applications where an extended service interval is required and is 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.

This aluminum compatible product, when properly diluted, added as an initial fill and maintained in accordance with engine manufacturer's and product manufacturer's recommendations, will provide an in-service life of up to 960,000 km/600,000 miles, 12,000 hours, 6 years, whichever comes first.

- Low silicate; phosphate and amine free
- CAT EC-1 compatible
- Premium Extended Life Diesel recommended
- for use where an extended service interval is required
- DOES NOT require a charge of SCA or coolant extender at initial fill
- OEM (original equipment manufacturer) approved
- Protects all coolant system metals; provides wet sleeve liner cavitation protection
- Up to 960,000 km/600,000 miles, 12,000 hours or 6 years\*
- For older<sup>+</sup> model light and heavy duty diesel applications (on-road truck, off-road, farm, marine, stationary)
- MEETS OR EXCEEDS PERFORMANCE RECOMMENDED AND SUITABLE **REQUIREMENTS OF** FOR USE WITH: Caterpillar
   CAT Stationary Engines (Gas/Diesel) • ASTM D3306/D6210/D7583 • GM 1825M/1899M Perkins Diesel • AS/NZS 2108.1:1997 Type A Volvo Heavy Truck STD International Truck Chrysler MS-9769
   MTU MTL 5048 • CNHi MAT 3720/3620 • Cummins 14603/14439/3666132 • JCB STD00088 418-0003 Waukesha Stationary Kenworth • TMC RP 364 • DDC 7SE 298 • Mack STD 418-0003 Gas Engines Deutz DQC CA-14 • MAN 324 N Ford WSS-M97B51-A1 Navistar MPAPS B-1 Typ III • PACCAR

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#### **PRODUCT PACKAGING SPECIFICATIONS**

CANADA					
ITEM NO.	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 premixed	3.78 L	4	0-56438-16834-8	400-56438-16834-6
16-835	50-50 premixed	9.46 L	2	0-56438-16835-5	500-56438-16835-0

#### DRUM/TOTE

ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc
26-739	Concentrate	208 L / 55 USG	-	0-56438-26739-3	-
26-839	50-50 premixed	208 L / 55 USG	-	0-56438-26839-0	-
26-739-275	Concentrate	1041 L / 275 USG	-	0-56438-90789-3	-
26-839-275	50-50 premixed	1041 L / 275 USG	-	0-56438-90790-9	-

\*With the use of a nitrite extender.

\*Recommended for on-road heavy duty vehicles requiring a nitrite-based antifreeze/coolant.



CONTACT US: CUSTOMERSERVICE.MTL@RECOCHEM.COM 1-800-361-6030



EXTRA IS SPECIFICALLY DESIGNED FOR COMPLETE MIXED FLEET USE IN ALL MAKES AND MODELS BOTH FOREIGN AND DOMESTIC, FOR LIGHT DUTY AND HEAVY DUTY DIESEL.

### **ENGINEERED TO GIVE YOU EXTRA**

#### FOR ALL VEHICLES AUTOMOTIVE, LIGHT TRUCK & HEAVY DUTY DIESEL

HD EXPERT<sup>®</sup> Extra Antifreeze/Coolant is powered by PRO SHIELD<sup>™</sup> OAT Corrosion Defense system, a proprietary organic acid technology (OAT) corrosion inhibitor package that DOES NOT contain 2-EHA and is BNAP (borate, nitrite, amine and phosphate) free. Designed for use in all makes and models of passenger vehicles, light duty and heavy duty diesel vehicles, including on-road, off-road, construction and farm applications. It provides protection against rust and corrosion for all coolant system metals, including aluminum, excellent protection against wet sleeve liner cavitation pitting and is compatible with aluminum radiators found in today's engine cooling systems.

- Compatible with all engine coolant technologies
- BNAP (borate, nitrite, amine and phosphate)
   and 2-EHA free
- Powered by PRO SHIELD<sup>™</sup> OAT Corrosion Defense engineered for cooling systems
- Recommended for use in all makes and models of passenger vehicles, light duty and heavy duty diesel vehicles (on-road, off-road, construction, farm applications)
- Protects against rust and corrosion for all coolant system metals, including aluminum
- Excellent protection against wet sleeve liner cavitation pitting
- Automotive Light Duty: Up to 250,000 km/150,000 miles
   or 5 years
- Heavy Duty Diesel: Up to 960,000 km/600,000 miles, 12,000 hours or 6 years

MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS OF:	RECOMMENDED AND SUITABL FOR USE WITH:	E	
• ASTM D3306/D6210/D7583 • TMC RP 364	Caterpillar     Chrysler MS-7170/MS-9769     CNHi MAT 3724/3624     Cummins CES 14603/14439/14636     DAF 74002     Daimler Truck DTFR 29C120/29D120     DDC 7SE 298, 93K217     Deutz DQC CC-14	<ul> <li>Freightliner</li> <li>GM 1825M/1899M</li> <li>International Truck</li> <li>JCB STD00088</li> <li>Kenworth</li> <li>Kobelco</li> <li>Kubota</li> <li>Liebherr</li> <li>Mack</li> </ul>	<ul> <li>MAN 324 Typ Si-OAT</li> <li>MB Approval 325.5/326.5</li> <li>MTU MTL 5048</li> <li>PACCAR</li> <li>Peterbilt</li> <li>Scania</li> <li>Volvo Truck</li> <li>VW TL 774-G</li> </ul>

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#### **PRODUCT PACKAGING SPECIFICATIONS**

CANADA					
ITEM NO.	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 premixed	3.78 L	4	0-56438-16324-4	400-56438-16324-2
16-325	50-50 premixed	9.46 L	2	0-56438-16325-1	500-56438-16325-6

#### DRUM/TOTE

DRONN/TOTE					
ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	SCC
26-319	Concentrate	208 L / 55 USG	-	0-56438-90795-4	-
26-329	50-50 premixed	208 L / 55 USG	-	0-56438-90796-1	-
26-319-275	Concentrate	1041 L / 275 USG	-	0-56438-90797-8	-
26-329-275	50-50 premixed	1041 L / 275 USG	-	0-56438-90798-5	-





A FORTIFIED FORMULA WITH A LONG SERVICE LIFE, INDUSTRY PROFESSIONALS TRUST EXTREME TO PERFORM IN THE HARSHEST OFF-ROAD ENVIRONMENTS.

#### EXTREME NEVER QUITS EXTENDED LIFE DIESEL ENGINEERED FOR COOLING SYSTEMS

HD EXPERT<sup>®</sup> Extreme Antifreeze/Coolant is powered by PRO SHIELD<sup>™</sup> OAT Corrosion Defense system, a proprietary organic acid technology (OAT) corrosion inhibitor package with nitrite and molybdate. It is free of BAPS (borate, amine, phosphate and silicate) and DOES NOT contain any 2-EHA. It protects coolant system metals against rust and corrosion and provides excellent aluminum and wet sleeve liner cavitation protection. Formulated for use in heavy duty diesel applications where extended service interval and aluminum compatibility are required and recommended for use in off-road, on-road truck, farm, and marine engine applications including, but not limited to, Caterpillar, Cummins, MTU, PACCAR and Volvo/Mack.

\*OEM Approved: HD EXPERT® Extreme Antifreeze/Coolant meets Cummins® Eng. Std. CES 14603.

- Nitrite and molybdate rich OAT (NOAT) corrosion inhibitor package
- CAT EC-1 compatible
- Free of 2-EHA, BAPS (borate, amine, phosphate and silicate)
- Powered by PRO SHIELD<sup>™</sup> OAT Corrosion Defense engineered for cooling systems
- Extreme Extended Life Diesel recommended for use in heavy duty diesel applications where extended service interval and aluminum compatibility is required
- Up to 1,200,000 km/750,000 miles, 15,000 hours or 8 years<sup>†</sup>
- For use in on-road truck, off-road, farm and marine engine applications

MEETS OR EXCEEDS PERFORMANCE	NCE RECOMMENDED AND SUITABLE FOR USE WHERE					
REQUIREMENTS OF:	OEM (ORIGINAL EQUIPMENT MANUFACTURER) RECOMMENDS NOAT:					
• ASTM D3306/D6210/D7583 • CAT EC-1 Specification <sup>‡</sup> • TMC RP364 • Cummins CES 14603	Caterpillar Stationary Gas Engines     Cummins 14603/14439/3666132     Deutz DQC CB-14     Ford WSS-M97B51-A1     Hino Diesel Truck     Isuzu Diesel Truck	<ul> <li>International Truck</li> <li>JCB STD00088</li> <li>Mack STD 418-0003</li> <li>MAN 324 N</li> <li>MTU MTL 5048</li> <li>Navistar MPAPS B1 Type III</li> <li>Kobelco</li> <li>Kenworth</li> </ul>	<ul> <li>PACCAR</li> <li>Peterbilt</li> <li>Volvo STD 418-0003</li> <li>Wärtsilä Stationary Diese Engines</li> <li>Waukesha Stationary Natural Gas Engines</li> <li>Western Star</li> </ul>			

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#### **PRODUCT PACKAGING SPECIFICATIONS**

CANADA						
ITEM NO.	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 premixed	3.78 L	4	0-59934-90597-4	400-59934-90597-2	

DRUM/TOTE

ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc	
26-529	Concentrate	208 L / 55 USG	-	0-59934-90595-0	-	
26-539	50-50 premixed	208 L / 55 USG	-	0-59934-90599-8	-	
26-529-275	Concentrate	1041 L / 275 USG	-	0-59934-90596-7	-	
26-539-275	50-50 premixed	1041 L / 275 USG	-	0-59934-90600-1	-	

'With the use of a nitrite extender.



<sup>‡</sup>Meets CAT EC-1 physical and chemical properties and compatibility characteristics.



OFFERING THE LONGEST SERVICE LIFE POSSIBLE, ENDURANCE IS IDEAL FOR ON-ROAD, LONG-HAUL, CROSS-COUNTRY USAGE.

#### ENDURANCE GOES THE EXTRA MILE ENDURANCE L415 MAXIMUM SERVICE LIFE DIESEL ENGINEERED

FOR ALL COOLING SYSTEMS – EVEN THE NEWEST ONES

HD EXPERT<sup>®</sup> Endurance Antifreeze/Coolant is OEM (Original equipment manufacturer) approved and offers the longest service life compared to other antifreeze/coolants. It is ideal for newer cooling systems in any on-road and off-road applications. This formulation is free of BNAPS (borate, nitrite, amine, phosphate, silicate) and 2-EHA. Designed for intense heavy duty diesel, hydrogen and natural gas applications when high heat and aluminum protection is required.

\*OEM Approved: HD EXPERT® Endurance Antifreeze/Coolant now carries multiple formal OEM approvals including, Cummins®, Detroit Diesel®, Daimler Truck®, MAN®, MTU®, Navistar International®, Volvo®, and Deutz® for wide application breath and assurance for any HD applications.

- Superior aluminum protection
- No SCA or extender needed
- BNAPS (borate, nitrite, phosphate amine and silicate) and 2-EHA free
- With CCI L415 Technology
- Powered by PRO SHIELD<sup>™</sup> OAT Corrosion Defense engineered for cooling systems
- · For use in all on-road and off-road vehicles
- Endurance Maximum Service Life Diesel recommended for intense heavy duty diesel and natural gas applications where high heat and aluminum protection is required
- Protects latest coolant system materials against corrosion and deterioration
- Provides excellent CAB flux compatibility and wet sleeve liner cavitation protection
- Up to 1,600,000 km/1,000,000 miles, 20,000 hours or 8 years

OEM APPROVED; MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS OF:		RECOMMENDED AND SU FOR USE WITH:	
ASTM D3306/D6210/D7583     AFNOR     Cummins CES 14603     Daimler Truck DTFR 29C110     Detroit Diesel Fluid Specifications 93K217     Deutz DQC CB-14     JIS K2234     MAN 324 SNF     MTU MTL 5048	• Navistar MPAPS B-1 Type III A • SAE J 814 • TMC RP364 • Volvo/Mack	AGCO     Case New Holland (CNHi)     Caterpillar     DAF     Detroit Diesel DDC     Fendt     Freightliner     GM Heavy Truck     International	<ul> <li>John Deere</li> <li>Kenworth</li> <li>Komatsu</li> <li>Kubota</li> <li>PACCAR</li> <li>Peterbilt</li> <li>Scania</li> <li>Waukesha</li> </ul>

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#### **PRODUCT PACKAGING SPECIFICATIONS**

9	CANADA								
	ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	SCC			
	16-924R	Concentrate	3.78 L	4	0-56438-56924-4	400-56438-56924-2			
	16-914R	50-50 premixed	3.78 L	4	0-56438-56914-5	400-56438-56914-3			

DRUM/TOTE

ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc
26-929R	Concentrate	208 L / 55 USG	-	0-56438-56929-9	-
26-919R	50-50 premixed	208 L / 55 USG	-	0-56438-56919-0	-
26-929R-275	Concentrate	1041 L / 275 USG	-	0-56438-66929-6	-
26-919R-275	50-50 premixed	1041 L / 275 USG	-	0-56438-66919-7	-
BULK-16930R-50	50-50 premixed	BULK	-	-	-





OFFERING A LONG SERVICE LIFE, EXTEND IS BASED EXCLUSIVELY ON ORGANIC ADDITIVE TECHNOLOGY (OAT) MAKING IT SUITABLE FOR HEAVY DUTY HYBRID AND ELECTRICALLY POWERED VEHICLES\*.

### ENGINEERED FOR THE LONG HAUL

#### LONG SERVICE LIFE FOR HYBRID & ELECTRICALLY POWERED VEHICLES

HD EXPERT<sup>®</sup> Extend EVX<sup>™</sup> Antifreeze/Coolant is powered by PRO SHIELD<sup>™</sup> OAT Corrosion Defense system, a proprietary organic acid technology (OAT) corrosion inhibitor package that is 2-EHA, borate, nitrite, amine, phosphate and silicate (BNAPS) free. Designed and recommended for intense service heavy duty electrically powered vehicles (EVs), including on-road, off-road, construction, marine, mining and agricultural.

- Conductivity: < 5000 µS/cm
- Elongates battery life
- Extended corrosion protection
- Formulated for BEV (battery electric vehicle) indirect cooling systems
- venicle) maneet cooling systems
- Compatible with other OAT coolants
- No SCA charge required
- Free of borate, nitrite, amine,
- phosphate and silicate (BNAPS) and 2-EHA
- Not low conductivity fluid

MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS OF:	RECOMMENDED AND SUITABLE FOR USE WITH:	
• ASTM D3306/D6210/D7583 • CNHi MAT 3724 • New Flyer eBus • TMC RP364	Caterpillar     Chrysler MS.90032/MS.50203/MS-12106     CNHi MAT 3624     Cummins CES 14603/14 439/14 636     DAF 74002     Daimler Truck DTFR 29C110/29D110     Detroit Diesel Fluid Spéc. DFS93K21     Deutz DQC CB-14     Deutz Stationary Diesel Engines     Ford WSS-M97B44-D     GMW3420/GM6277M     Jenbacher Stationary Natural Gas Engines     Kobelco	<ul> <li>Komatsu KES 07.892</li> <li>MTU MTL 5048</li> <li>Navistar MPAPS B1-Type IIII A</li> <li>Mack</li> <li>MAN 324 Typ SNF</li> <li>MB Approval 325.3 (conc.)/326.3 (50/50)</li> <li>MWM</li> <li>Scania</li> <li>Vestas Wind Turbine Power Electronics – External Coolant System</li> <li>Volvo</li> <li>VW TL774-F</li> <li>Wärtsilä Stationary Diesel Engines</li> </ul>

LEARN MORE AT HDEXPERT.COM



By choosing EVX<sup>™</sup> products you are choosing peace of mind. EVX<sup>™</sup> solutions have been developed and tested to guarantee compatibility with battery and hybrid vehicles, ensuring optimal mechanical and battery protection in indirect cooling systems. EVX<sup>™</sup> conventional coolants ensure excellent chemical stability and help reduce charging time.

#### **PRODUCT PACKAGING SPECIFICATIONS**

CANADA							
ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc		
16-454	50-50 premixed	3.78 L	4	0-56438-16454-8	400-56438-16454-6		
DRUM/TOTE							
DRUM/TOTE	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc		
	FORMULATION 50-50 premixed	CONTAINER SIZE 208 L / 55 USG	CASE PACK	UPC 0-56438-91084-8	SCC		

\*Can also be used in internal combustion engine heavy duty vehicles.











AN ETHYLENE GLYCOL BASED BATTERY SYSTEM FLUID FOR PROFESSIONAL HEAVY DUTY USAGE\*.

#### LOW CONDUCTIVITY FLUID FORMULATED FOR INDIRECT COOLING SYSTEMS IN HEAVY DUTY ELECTRICAL VEHICLES

HD EXPERT<sup>™</sup> EVX<sup>™</sup> Supreme Battery System Fluid is specifically formulated to control optimal temperature in high voltage battery systems. It is designed with high electric insulation formulation to eliminate interference associated with the high voltage created by large battery systems. Additionally, this coolant provides excellent corrosion protection for the metals found in current battery systems.

- Freezing point is -37°C (-34°F)
- Boiling point is 129°C (265°F) (min) at 15 psi pressure
- Blue Colour
- Conductivity: < 50 µS/cm
- Elongates battery life
- Excellent corrosion protection for metal alloys (specifically stainless steel, copper, brass and aluminum)
- Formulated for indirect cooling systems
   in heavy duty electric vehicles



By choosing EVX<sup>™</sup> products you are choosing peace of mind. EVX<sup>™</sup> solutions have been developed and tested to guarantee compatibility with battery and hybrid vehicles, ensuring optimal mechanical and battery protection in indirect cooling systems. EVX<sup>™</sup> low conductivity fluids ensure low electrical conductivity, excellent chemical stability and ultra-fast charging compatibility.

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#### **PRODUCT PACKAGING SPECIFICATIONS**

DRUM/TOTE							
ITEM NO.	FORMULATION	CONTAINER SIZE	CASE PACK	UPC	scc		
18-739EVX	50-50 premixed	208 L / 55 USG	-	056438911012	-		
18-739EVX-275	50-50 premixed	1041 L / 275 USG	-	056438911029	-		

\*For use in heavy duty electric vehicles. This is a low conductivity fluid. Do not mix with water or other conventional antifreeze/coolants.



CONTACT US: CUSTOMERSERVICE.MTL@RECOCHEM.COM 1-800-361-6030



### **DIESEL EXHAUST FLUID**







### **DEF** (DIESEL EXHAUST FLUID)





YOUR TRUSTED PARTNER TO HELP REDUCE NOX EMISSIONS.

### SUITABLE FOR ALL SCR EQUIPPED DIESEL VEHICLES

- IMPROVES FUEL ECONOMY
- PROMOTES CLEANER COMBUSTION AND EXHAUST
- OFFERS FAST, NO-SPILL FILLING
- SPOUT IN EVERY CARTON
- MEETS ISO 22241 REQUIREMENTS
- API CERTIFIED
- REDUCES HARMFUL NOx EMISSIONS

LEARN MORE AT HDEXPERT.COM

#### **PRODUCT PACKAGING SPECIFICATIONS**

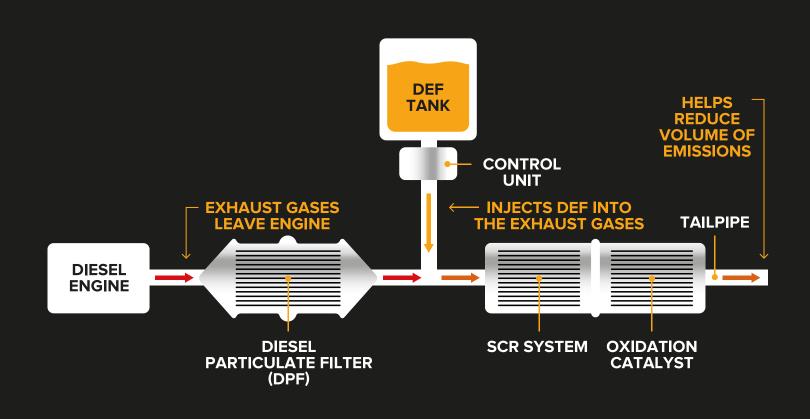
CANADA								
ITEM NO.	PART NUMBER	CONTAINER SIZE	UPC	scc				
55-126HD	-	9.46 L	0-56438-90980-4	100-56438-90980-1				
DRUM/TOTE	DRUM/TOTE							
ITEM NO.	PART NUMBER	CONTAINER SIZE	UPC	scc				
55-129HD	13067	208 L / 55 USG (drum)	0-56438-919002-2	-				
55-126HD-330	13068	1249 L / 330 USG (tote)	0-56438-91003-9	-				

\*QUALITY GUARANTEED; OUR DIESEL EXHAUST FLUID (DEF) IS PACKAGED IN ACCORDANCE WITH THE HIGHEST INDUSTRY STANDARDS, RESULTING IN DEF PRODUCT THAT MEETS ORIGINAL EQUIPMENT MANUFACTURER REQUIREMENTS.



# HELPS REDUCE HARMFUL NOx EMISSIONS

MAXIMIZES YOUR FUEL EFFICIENCY WITH HD EXPERT<sup>™</sup> DEF



### DIESEL EMISSIONS CONTROL SYSTEM OVERVIEW





### PERFORMANCE FLUIDS







# AIR BRAKE ANTIFREEZE



TRUCK

#### COMPLETE WINTER PROTECTION FOR DIESEL TRUCKS, BUSES AND CONSTRUCTION EQUIPMENT

HD EXPERT® Air Brake Antifreeze helps promote optimal winter performance in heavy duty air brake systems.

- HELPS PREVENT FREEZING OF AIR LINES
- COMBATS MOISTURE AND CONDENSATION
- LUBRICATES VALVES AND SEALS
- METHANOL-BASED

LEARN MORE AT HDEXPERT.COM

#### PRODUCT PACKAGING SPECIFICATIONS

CANADA ITEM NO. CONTAINER SIZE CASE PACK UPC SCC 15-264HDX 056438910077 3.78 L 40056438910075 4 15-261HDX 1 L 6 056438910886 60056438910888

DRUM/TOTE

ITEM NO.	CONTAINER SIZE	CASE PACK	UPC	scc		
25-269HDX	208 L / 55 USG	-	056438910909	-		











## DIESEL FUEL CONDITIONER



### HEAVY DUTY ANTI-GEL WINTER PERFORMANCE

FOR DIESEL ENGINE PROTECTION

HD EXPERT® Diesel Fuel Conditioner helps promote optimal winter performance in heavy duty diesel engines. Formulated to prevent fuel from gelling at extreme low temperatures, which can cause filter clogging and vehicle down time related costs. Special cold flow "anti-gel" additives work to reduce pour point and cold filter plugging point (CFPP) of the fuel, improving cold start and combustion performance. This product has been developed for use in all types of diesel fuel, including ultra-low sulfur diesel (ULSD), to meet the industry's most stringent performance requirements in both light duty and heavy duty diesel vehicles.

- CLEANS, PULLS EXCESS WATER AND PREVENTS DEPOSIT FORMATION
- PROVIDES LUBRICATION TO THE DIESEL FUEL
- REDUCES HARMFUL EMISSIONS
- PROTECTS SYSTEM FROM OVERALL CORROSION AND WEAR
- IMPROVES FUEL ECONOMY FOR INCREASED POWER AND MILEAGE
- ULTRA-LOW SULPHUR (max. 3 ppm)

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#### **PRODUCT PACKAGING SPECIFICATIONS**

1	CANADA							
	ITEM NO.	CONTAINER SIZE	CASE PACK	UPC	scc			
	15-292HDX	1.89 L	6	056438910084	60056438910086			









# METHYL HYDRATE



HD EXPERT<sup>™</sup> METHYL HYDRATE IS NOT AN ANTI-FREEZE FOR DIESEL FUEL. DO NOT ADD TO DIESEL FUEL, OR USE AS A FUEL.

### WINTER PERFORMANCE

FOR TRUCKS, MINING, CONSTRUCTION & AGRICULTURE EQUIPMENT

HD EXPERT<sup>™</sup> Methyl Hydrate promotes optimal defrosting of air line hoses in heavy duty vehicles.

- EXTREMELY LOW FREEZE POINT
- MINIMIZES WEAR OF VALVES AND SEALS
- OFFERS YEAR-ROUND PROTECTION OF AIR LINES

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#### **PRODUCT PACKAGING SPECIFICATIONS**

CANADA							
ITEM NO.	CONTAINER SIZE	CASE PACK	UPC	scc			
13-394HDX	3.78 L	4	-	40056438910068			



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# THE HD EXPERT GUARANTEE

VISIT OUR WEBSITE FOR FURTHER WARRANTY PROGRAM DETAILS, INCLUDING TERMS AND CONDITIONS THAT APPLY

HDEXPERT.COM



