



ONE FOCUS.
HD ENGINE
COOLANT.

HD Expert® 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.



CORROSION INHIBITOR	CLASSIC	PREMIUM	EXTREME	EXTRA	ENDURANCE	EXTEND
	CONVENTIONAL	HYBRID	PRO SHIELD	PRO SHIELD	PRO SHIELD	PRO SHIELD
LIQUID COLOR	PURPLE	RED	RED	PALE YELLOW	RED	PINK
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.	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.	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.	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.	Designed and recommended for intense service heavy duty electrically powered vehicles (EVs), including on-road, off-road, construction, marine, mining and agricultural.
FORMULATION	<ul style="list-style-type: none">• LOW SILICATE• PHOSPHATE FREE• FULLY FORMULATED• SCA PRE-CHARGED	<ul style="list-style-type: none">• LOW SILICATE• PHOSPHATE, AMINE & 2-EHA FREE• CAT EC-1 COMPATIBLE• HOAT	<ul style="list-style-type: none">• NITRITE & MOLYBDATE RICH• MEETS CAT EC-1 SPECIFICATION*• BAPS (BORATE, AMINE, PHOSPHATE, SILICATE) & 2-EHA FREE• NOAT	<ul style="list-style-type: none">• COMPATIBLE WITH MOST ENGINE COOLANT TECHNOLOGIES• BNAP (BORATE, NITRITE, AMINE, PHOSPHATE) & 2-EHA FREE	<ul style="list-style-type: none">• SUPERIOR ALUMINUM PROTECTION• NO SCA OR EXTENDER NEEDED• BNAPS (BORATE, NITRITE, AMINE, PHOSPHATE, SILICATE) & 2-EHA FREE	<ul style="list-style-type: none">• Conductivity: < 5000 µS/cm• BNAPS (BORATE, NITRITE, AMINE, PHOSPHATE, SILICATE) & 2-EHA FREE• Extended corrosion protection
SPECIFICATION/ PERFORMANCE LEVEL	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: <ul style="list-style-type: none">• ASTM D3306/D6210/D7583• CAT EC-1 Specification*• Cummins CES 14603• TMC RP 364 RECOMMENDED AND SUITABLE FOR USE WITH: <ul style="list-style-type: none">• Caterpillar Stationary Gas Engines• Cummins 14603/14439/3666132• Deutz DQC CB-14• Ford WSS-M97B51-A1• Hino Diesel Truck• Isuzu Diesel Truck• International 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• Western Star	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: <ul style="list-style-type: none">• ASTM D3306/D6210/D7583• TMC RP 364 RECOMMENDED AND SUITABLE FOR USE WITH: <ul style="list-style-type: none">• 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• Mack STD 418-0008• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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	MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS: <ul style="list-style-type: none">• ASTM D3306/D6210/D7583• CNHi MAT 3724• New Flyer eBus• TMC RP364 RECOMMENDED AND SUITABLE FOR USE WITH: <ul style="list-style-type: none">• 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 2 YEARS OR 400,000 km (250,000 MILES)	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 extender	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, 20,000 HOURS OR 1,600,000 km (1,000,000 MILES)	UP TO 6 YEARS, 12,000 HOURS OR 960,000 km (600,000 MILES) this mileage is meant for HD application.
ITEM NUMBERS	CONCENTRATE: 16-284 PREMIXED: 16-474	CONCENTRATE: 16-734 PREMIXED: 16-834	CONCENTRATE: 16-524 PREMIXED: 16-534	CONCENTRATE: 16-314 PREMIXED: 16-324	CONCENTRATE: 16-924R PREMIXED: 16-914R	PREMIXED: 16-454

CONTAINS:



HD EXPERT®’s proprietary OAT corrosion inhibitor, PROSHIELD™ protects the latest coolant 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

DEFENDS AGAINST	CORROSION DETERIORATION RUST
PROTECTS	ALUMINUM ENGINES AGAINST EXTREME TEMPERATURES AGAINST WET SLEEVE LINER CAVITATION



By choosing EVX™ branded products you are choosing peace of mind. EVX™ 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™ conventional coolants provide excellent chemical stability, specific light duty and heavy duty vehicle standard ethylene glycol (EG) purity and extended corrosion protection.

