

KLONDIKE Commercial HD HOAT ELC Premix 50/50 Antifreeze/Coolant



PRODUCT DESCRIPTION

KLONDIKE Commercial HD HOAT ELC Antifreeze/Coolant is an advanced, virgin ethylene glycol based, multi-purpose, extended life coolant primarily designed for use in heavy duty diesel engines demanding extended life performance.

APPLICATIONS

KLONDIKE Commercial HD HOAT ELC Antifreeze/Coolant meets ASTM D6210, ASTM D3306, and TMC RP329 for fully formulated antifreeze/coolants in heavy duty service.

Typical applications include:

- Heavy duty engines running on all types of fuel where OEM recommends a fully formulated extended life coolant.
- Mixed fleets containing on and off-road equipment.
- Light duty and heavy duty engines
- Marine applications where freeze protection and fully formulated chemistry is recommended.



FEATURES AND BENEFITS

KLONDIKE Commercial HD HOAT ELC Antifreeze/Coolant is a virgin ethylene glycol based product blended with hybrid OAT (organic acid technology) additive technology. This premium, low silicate coolant formulation contains nitrites while being free of phosphates and 2-EH chemistry ensuring full protection against wet sleeve liner cavitation. Proven performance technology provides antifoam properties as well as protection against rust and corrosion for all cooling system materials. Adaptive HOAT inhibitor technology ensures long service life and compatibility with other hybrid or OAT based extended life coolants with no adverse effect making this formulation compatible for use in a vast selection of heavy-duty engine applications as a top-up or complete replacement fluid.

Commercial HD HOAT ELC is fully formulated, meets ASTM D6210 for heavy duty antifreeze/coolant, and will effectively control wet sleeve liner pitting, cavitation, and corrosion in heavy duty engines. Formula also includes ingredients to disperse minor contamination, prevent fouling, and control surface scaling. Cooling systems filled and maintained exclusively with Commercial HD HOAT ELC may exceed 960,000 km's/6 years of on-road service, 12,000 hours/6 years of off-road service when a formal antifreeze/coolant monitoring and maintenance program is followed.

No SCA's needed at initial fill.

Premixed with distilled water – do not dilute.

KLONDIKE Commercial HD HOAT ELC Antifreeze/Coolant delivers value through the following benefits:

- **Wide application range** – protection across a vast range of heavy and light duty applications.
- **Long service life** – 960,000 km or 12,000 hours of premium protection.
- **All-metal protection** – provides excellent protection to all cooling system components including aluminum.
- **Compatibility** – compatible with other hybrid and OAT extended life coolant technology.



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SPECIFICATIONS AND APPROVALS

KLONDIKE Commercial HD HOAT ELC Antifreeze/Coolant meets or exceeds the requirements of industry and OEM specifications and may be used as a replacement fluid for (but not limited to) the following;

- **ASTM D3306**
- **ASTM D6210**
- **TMC RP 329**
- **Caterpillar EC-1**
- **Chrysler MS-7170**
- **Cummins**
- **Case/New Holland**
- **Daimler/Mercedes Benz**
- **Detroit Diesel**
- **Ford M97B51, M97B44-A**
- **GM 1825M, 1899M**
- **John Deere**
- **Komatsu**
- **International/Navistar**
- **PACCAR**
- **Mack**
- **Volvo Heavy Truck**

Always follow OEM recommendations for correct coolant technology and service interval.



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TYPICAL TECHNICAL PROPERTIES

PROPERTY	TYPICAL RESULTS	COMMERCIAL HD HOAT ELC
Appearance	Visual	Red
Specific gravity	ASTM D1122	1.053 – 1.083
Nitrite	ASTM D 5827	1100 ppm, min
Boiling Point, 50% V/V	ASTM D1120	107°C/226°F min.
Freeze Point, 50% V/V	ASTM D1177	-36.7°C/-34°F min.
pH, 50% V/V	ASTM D1287	8.5 – 10.0
Foaming	ASTM D1881	150 mL vol., max. 5 sec. break,
Effect on non-metals		No adverse effect
Effect on vehicle finish		No adverse effect
Color		Red

% ANTIFREEZE	FREEZING POINT		BOILING POINT*	
	°F	°C	°F	°C
50%	-34	-36.7	264.9	129.4
*Boiling point shown using conventional 15 psi radiator cap.				

All stated physical properties are typical of standard production and may vary.

Technical Notes:

- KLONDIKE Commercial HD HOAT ELC Antifreeze/Coolant is a hybrid, extended life antifreeze/coolant. Dilution or mixture with other coolant types may affect performance characteristics and expected service life.
- This product contains bittering agent. Bittering agent is a flavor aversive that may help reduce the accidental ingestion of this product
- This product contains nitrites. Always follow OEM anti-freeze/ coolant recommendations.
- NOTE: Used antifreeze coolant in most jurisdictions is not hazardous unless it contains more than 5 ppm of lead. Never dispose of by dumping into a storm sewer or onto the ground. Instead, contact your local municipality for instructions on where and how to properly dispose of this coolant and protect our environment.



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HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other KLONDIKE product, please visit www.klondikelubricants.com or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

PRODUCT NUMBERS

Commercial HD HOAT ELC Antifreeze – 50/50 Ready to Use	Jug: 3.78 L / 1 GAL	KL-CH9750
	Drum: 208 L / 55 GAL	KL-CH9790
	Tote: 1040 L / 275 GAL	KL-CH9795

BRAVING THE FORCE OF MOVEMENT

KLONDIKE stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive KLONDIKE product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

KLONDIKE Lubricants Corporation

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