



PENRITE



**85% REDUCTION
IN LANDFILL
WASTE**

HD LONGLIFE EC01 CONCENTRATE

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PRODUCT CODE	PACK SIZE	CARTON QTY
AFABEC01020	20L	
AFABEC01205	205L	

PRODUCT BENEFITS

HD Long Life EC01 Concentrate is a red coloured, long life, Type A, Hybrid, US style, heavy duty ethylene glycol based coolant that utilises a long drain, low depletion rate inhibitor system.

APPLICATION

HD Long Life EC01 is designed for use in trucks, buses, agricultural and construction equipment, stationary engines and in passenger cars/light commercial vehicles where anti-freeze and/or anti-boil properties are required.

HD Long Life EC01 is particularly suitable for use in heavy duty diesel engines of US origin but may be used in all types of vehicles that use red or orange coloured initial fill coolants.

RECOMMENDED SERVICE INTERVALS

HD Long Life EC01 Anti Freeze / Anti Boil is typically used at a 50% concentration rate but it will still provide protection at 33%. For maximum service intervals 50% concentration is recommended.

DOSE RATE - FREEZING POINT BOILING POINT

Mix Ratio	33%	50%
Freezing Point	-18°C	-38°C
Boiling Point	+104°C	+109°C

SERVICE INTERVALS

Heavy Duty On Road	8 Years / 1.25 Million Kilometres
Heavy Duty Off Road	8 Years or 15,000 Hours
Passenger & Light Commercial Vehicles	5 Years or 250,000 Kilometres

Please Note

Penrite recommend flushing the cooling system prior to a complete service refill. [Penrite Radiator Flush](#) effectively cleans the system in 7 minutes and prepares the cooling system for new coolant.

DEMINERALISED WATER

When mixing coolants, Penrite recommend mixing at the manufacturers recommended concentration levels with [Penrite De-Mineralised Water](#)

Please Note: A 58mm cap with pouring tap is available to fit 20 litre packs.
<https://penriteoil.com.au/products/58mm-plastic-tap>

PRODUCT BENEFITS

- 8 year heavy duty drain intervals if used and maintained at 50%
- 15,000 hour drain intervals in off highway engines
- Protects all internal surfaces from corrosion, including aluminium
- Phosphate free formulation allows use with hard waters
- Silicate and amine free
- Heavy duty performance
- Does not need SCA (Supplementary Coolant Additives)* but is compatible with them
- Reduced operation costs due to less downtime required to service equipment





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PRODUCT PERFORMANCE LEVELS

- ASTM 4985
- ASTM 6210
- ASTM D-3306
- Caterpillar EC-1
- Chrysler MS-7170
- Chrysler MS-9769
- Cummins
- Detroit 7SE-298
- Ford ESE M97-B44D
- Ford M97-B18-D
- Ford M97-B44-A
- Ford M97-B51-A
- Freightliner 48-2288D
- GM 1825M
- GM 1899M
- GM Heavy Truck
- Isuzu (GM6277M)
- JASO M325 (Japan)
- JIS K2234 (Japan)
- Kenworth R026-170-97
- Komatsu KES 07.892
- KSM 2142 (Korea)
- Land Rover
- Liebherr MD 1-36-130
- Mack 014 GS 17009
- MAN 324
- MTU MTL 5048
- Navistar B1 Type III
- PACCAR
- Perkins
- SAE J1034
- SAE J1941
- Scania
- TMC RP 329
- TMC RP 338
- US Federal A-A-870-A
- Volvo Heavy Truck (Approved)
- Volvo VCS
- White Star

TYPICAL DATA

Colour	Deep Red
Density at 20°C, kg/L	1.122
Glycol Content, g/L (Concentrate)	1046