



PENRITE

# HD LONGLIFE EC01 ANTI FREEZE ANTI BOIL

## Heavy Duty Anti-Freeze Anti Boil

Issue: April 2017

PRODUCT CODE	PACK SIZE
AFABEC01020	20 Litre
AFABEC01205	205 Litre
AFABEC01PMX020	20 Litre
AFABEC01PMX205	205 Litre



### Description

**HD Longlife EC01** 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. It is available in concentrate and premix. The Premix is diluted at 50% with demineralised water.

### Application

**HD Longlife 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. It 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.

**HD Longlife EC01** Anti-Freeze / Anti Boil is typically used at a 50% concentration rate but it will still provide protection at 33%. **HD Longlife EC01 Premix** is 50% concentration and ready for use directly without further dilution.

CONCENTRATION	FREEZING POINT	BOILING POINT
50%	-38°C	109°C
33%	-18°C	104°C

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

Recommended Service Intervals (if maintained at 50% concentration)	
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

### 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.

\* Some manufacturers specify extender-type additives regardless of coolant in use



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### Industry Specifications

AS2108-2004 Type A	ASTM D3306/4985/6210	SAE J1034/J1941	Kenworth R026-170-97
Isuzu (GM6277M)	Caterpillar EC-1	MAN 324	KSM 2142 (Korea)
Scania	JASO M325 (Japan)	JIS K2234 (Japan)	GM 1825M/1899M
Navistar B1 Type III	MTU MTL 5048	Volvo VCS	Mack 014 GS 17009
TMC RP329	Cummins	Liebherr MD 1-36-130	Komatsu KES 07.892
Landrover	Ford ESE M97-B44D	Ford M97B18-D/ M97B44-A/ M97B51-A	Perkins
Detroit 7SE-298	PACCAR	Chrysler MS7170, 9769	White Star
Freightliner 48-2288D	GM Heavy Truck	Hyundai	
US Federal A-A-870-A	Volvo Heavy Truck (Approved)		

### Typical Data

Colour	Deep Red
Density at 20°C, kg/L (Concentrate)	1.122
Density at 20°C, kg/L (Premix)	1.07
Glycol Content, g/L (Concentrate)	1046
Glycol Content, g/L (Premix, 50%)	530

Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect product performance. An MSDS is available on request.



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