



# HD LONGLIFE EC01 ANTI FREEZE ANTI BOIL

## Heavy Duty Anti Freeze Anti Boil

Issue: November 2013

PENRITE

CONCENTRATE		
Product Code	Pack Size	Carton Qty
AFABEC01005	5 Litre	4
AFABEC01020	20 Litre	1
AFABEC01205	205 Litre	1
AFABEC011000LTR	1000 Litre	1
PREMIX 50% (Ready to use)		
Product Code	Pack Size	Carton Qty
AFABEC01PMX005	5 Litre	4
AFABEC01PMX020	20 Litre	1
AFABEC01PMX205	205 Litre	1
AFABEC01PMX1000LTR	1000 Litre	1



### Description

**HD Longlife EC01** is a red coloured, long life, Type A OAT-Nitrite, 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.

**HD Longlife 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.

**HD Longlife EC01** will last 4 Years or 600,000 km's on highway or 8000 hours off highway if maintained at 50% concentration.

**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 EC-01 Premix** is 50% concentration and ready for use directly without further dilution.

Dose	Freezing Point	Boiling Point
33%	-18°C	104°C
50%	-38°C	109°C



### Product Benefits

- 4 year/600,000km years drain intervals if used and maintained at 50% (in on-highway heavy duty truck/bus applications).
- 8,000 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.
- 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

**PENRITE OIL COMPANY PTY LTD**, 88 Lewis Road, Wantirna South  
 Victoria AUSTRALIA 3152, ABN 25 005 001 525  
 Enquiries: Phone 1300-PENRITE (1300 736 748)  
 Fax: 1800-PENRITE (1800 736 748)  
 International: Phone: 61 3 9801 0877, Fax: 61 3 9801 0977  
**New Zealand** Ph: 0800 533 698, Fax: 0508 736 748  
**United Kingdom and EU** Ph: +44 (0) 1594 562357, Fax: +44 (0) 1594 564234  
 Website: www.penriteoil.com, Email: penrite@penriteoil.com

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## Industry Specifications

AS2108-2004 Type A  
Isuzu (GM6277M)  
Scania  
Navistar B1 Type III  
TMC RP329

ASTM D3306/4985  
Caterpillar EC-1  
JASO M325 (Japan)  
MTU MTL 5048  
Cummins

SAE J1034  
Ford ESE M97-B44D  
JIS K2234 (Japan)  
Volvo VCS  
Liebherr MD 1-36-130

MB 325.3  
KSM 2142 (Korea)  
GM 1825M/1899M  
Mack 014 GS 17009  
Komatsu KES 07.892

## Typical Data

Colour	Deep Red
Density at 15°C, kg/L	1.124
Glycol Content (concentrate), g/L	1046
Glycol Content (premix, 50%), g/L	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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Website: [www.penriteoil.com](http://www.penriteoil.com), Email: [penrite@penriteoil.com](mailto:penrite@penriteoil.com)

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