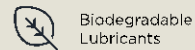


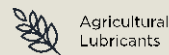
Industrial  
Lubricants



Automotive  
Lubricants



Biodegradable  
Lubricants



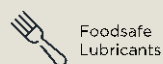
Agricultural  
Lubricants



Cleaning &  
Maintenance



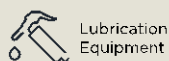
Greases &  
Pastes



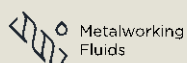
Foodsafe  
Lubricants



Heritage Oils



Lubrication  
Equipment



Metalworking  
Fluids



## Longlife Antifreeze Red

Organic Acid Technology (OAT) Antifreeze & Summer Coolant  
Product Code: A3L

### Product Description

Pennine Longlife Antifreeze Red is an Organic Acid Technology (OAT) based antifreeze summer coolant complying with BS 6580-2010 and provides corrosion protection for upto 5 years.

### Applications

Universally suitable for all petrol and diesel engines including turbo charged versions.

### Performance Specifications

Pennine Longlife Antifreeze Red meets ASTM 6210 and BS6580-2010 specification.

### Typical Test Data

Appearance	Clear liquid, free from matter in suspension	
Colour	Pink fluorescent	
Density @ 20°C, kg/l	1.108 to 1.116 kg/m <sup>3</sup>	ASTM D 4052
PH (50% volume aqueous solution)	7.5 – 9.0	ASTM D 1287
Freezing protection		
- 50% volume aqueous solution	-37°C, maximum	ASTM D 1177
Reserve alkalinity, ml 0.1 N HCl	5.0 min 7.0 max	ASTM D 1121
Water content	4 % by weight, max. typ 2.7	ASTM D 1123
Boiling point,	170°C min	ASTM D1120
Foaming characteristics at 88°C		
- Height	50 ml, maximum	ASTM D 1881
- Breaktime	5 seconds, maximum	

### Availability

Pennine Longlife Antifreeze Red is available in bulk, 1000 litre IBC's, 205 litre barrels, 25 litre drums and 5 litre plastic bottles.

### Storage

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open.



Certificate Number: 9480  
ISO 9001



Pennine Lubricants Limited Company reg no. 3510091



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Sheffield, S4 7QQ

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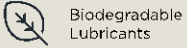
W. [www.penninelubricants.co.uk](http://www.penninelubricants.co.uk)



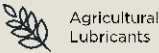
Industrial Lubricants



Automotive Lubricants



Biodegradable Lubricants



Agricultural Lubricants



Cleaning & Maintenance



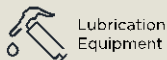
Greases & Pastes



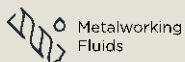
Foodsafe Lubricants



Heritage Oils



Lubrication Equipment



Metalworking Fluids



## Longlife Antifreeze Red

Organic Acid Technology (OAT) Antifreeze & Summer Coolant  
Product Code: A3L

### Health & Safety

Please refer to the relevant Health and Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine is one of continual improvement, we therefore reserve the right to change specifications without notice.



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