



Industrial
Lubricants



Automotive
Lubricants



Biodegradable
Lubricants



Agricultural
Lubricants



Cleaning &
Maintenance



Greases &
Pastes



Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Pengrind GR

Full Synthetic Water Soluble Grinding Fluid

Product Code: AHC

Product Description

Pennine Pengrind GR is a full synthetic nitrite free grinding fluid which mixes readily with water forming transparent stable solutions. The product is an oil free concentrated chemical grinding fluid with excellent wetting properties to provide superior cooling and flushing and to ensure that grinding wheels do not clog or glaze. Pengrind GR is low odour with very low foaming characteristics and excellent anti corrosion properties.

Applications

Pennine Pengrind GR is recommended for surface grinding, cylindrical grinding, centreless grinding, and tool and cutter grinding on mainly cast iron and ferrous feedstocks.

Features & Benefits

- Transparent solution ~ Excellent workpiece visibility
- Highly biostable ~ Extended sump life / fewer fluid changes
- Excellent tramp oil rejection ~ Maintains fluid cleanliness
- Excellent corrosion protection ~ Protects machines & workpieces
- Chlorine free ~ Reduced waste disposal costs

Typical Test Data

Characteristic / Test	Data
Appearance (concentrate)	Fluorescent Green
Appearance (emulsion)	Clear Solution - Fluorescent Green
Specific Gravity @ 15°C	1.08
pH @ 5%	9.2
IP 287 Breakpoint Corrosion	1.43 %
IP 125 Herbert Corrosion Test	1.0 %
Dilution Range (min ~ max)	2 ~ 5 %
Refractometer Conversion Factor	1.72
Water Hardness Range ppm CaCO3 (min ~ max)	50 ~ 400

Actual dilution rates may vary depending on application. Please consult with Technical Services to determine the most suitable dilution for your application.





Industrial
Lubricants



Automotive
Lubricants



Biodegradable
Lubricants



Agricultural
Lubricants



Cleaning &
Maintenance



Greases &
Pastes



Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Pengrind GR

Full Synthetic Water Soluble Grinding Fluid

Product Code: AHC

Coolant Care

To promote maximum service life, it is strongly advised that coolant systems are thoroughly sterilised with Bioflush System Cleaner prior to coolant changes (see Bioflush Technical Data Sheet for further information and guidelines).

To maintain the efficiency of the coolant, daily checks for concentration with a hand refractometer is recommended. Maintaining a consistent concentration is paramount to prolonging the fluid sump life. Further tests for bacteria, fungus, pH and tramp oil contamination are available through our PROCARE Fluid Management Service and helps users to comply with current HSE legislative requirements. Please contact us for further details.

Availability & Storage

Pennine Pengrind GR is available in 1000 litre IBC's, 205 litre barrels, 25 litre drums and 5 litre plastic bottles.

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

Health and Safety

Please refer to the relevant 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 Lubricants is one of continual improvement; we therefore reserve the right to change specifications without notice.