



Industrial Lubricants



Automotive Lubricants



Biodegradable Lubricants



Agricultural Lubricants



Cleaning & Maintenance



Greases & Pastes



Foodsafe Lubricants



Heritage Oils



Lubrication Equipment



Metalworking Fluids



Pencool Ultra S267

Formaldehyde Free High Performance Soluble Metalworking Fluid

Product Code: AWA

Product Description

Pennine Pencool Ultra products represent a superior range of new generation soluble metalworking fluids designed to comply with existing and pending REACH regulations offering the highest levels of health, safety and environmental compliance.

Pencool Ultra S267 is a high oil content semi synthetic metalworking fluid designed for use in moderate to difficult machining applications. The product incorporates highly sophisticated chlorine free additive chemistry providing exceptional lubricity promoting improved surface finish and tool life. Pencool Ultra S267 is highly biostable providing outstanding bacterial resistance and a long trouble-free sump life. The product excels in moderate to hard make up waters and offers rapid defoam performance in high pressure through tool coolant systems.

Applications

Pencool Ultra S267 is particularly suited to applications where maximum lubricity and non-staining performance is required including the machining of 2000, 6000 and 7000 series aluminium along with yellow metals. The product is also well suited to the machining of titanium, Inconel, nimonics and other exotic materials along with traditional ferrous and non-ferrous alloys.

Features & Benefits

- | | | |
|-------------------------------------|---|--|
| • Formaldehyde release biocide free | ~ | Improved EHS profile |
| • Biostable milky emulsion | ~ | Extended sump life / fewer fluid changes |
| • Ultra low foaming | ~ | Reduced anti-foam additions |
| • Outstanding lubricity performance | ~ | Improved tool life / surface finish |
| • Chlorine free | ~ | Improved environmental profile |
| • Multipurpose applications | ~ | Allows for grade rationalisation |
| • Hard water stable | ~ | Low soap and scum formation |



Certificate Number: 9480
ISO 9001



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Typical Test Data

Characteristic / Test	Data
Appearance (concentrate)	Pale Amber
Appearance (emulsion)	Milky White
Specific Gravity @ 15°C	0.975
pH @ 5%	9.3
IP 287 Breakpoint Corrosion	2.0 %
Dilution Range (min ~ max)	5 ~ 10 %
Refractometer Conversion Factor	1.0
Water Hardness Range ppm CaCO3 (min ~ max)	150 ~ 600

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

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 Ultra S267 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 & 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.



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