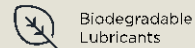


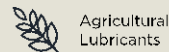
Industrial Lubricants



Automotive Lubricants



Biodegradable Lubricants



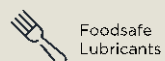
Agricultural Lubricants



Cleaning & Maintenance



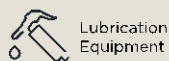
Greases & Pastes



Foodsafe Lubricants



Heritage Oils



Lubrication Equipment



Metalworking Fluids



Metacut Ultra HL

High Performance Chlorine Free Neat Cutting Oils

Product Description

Pennine Metacut Ultra HL range are pale coloured, low odour, high performance multipurpose neat cutting oil specifically designed for use in modern high speed sliding head CNC lathes and multi-spindle machines. Manufactured from highly refined virgin mineral oil, the products incorporate non-staining chlorine free extreme pressure additives, lubricity agents, antioxidant and anti-mist additives making the products suitable for the rigorous demands of modern machining techniques.

Applications

Metacut Ultra HL range are suitable for a wide range of machining operations on high tensile steels, titanium, Inconel, stainless steel, aluminium and its alloys and yellow metals. The light colour and anti-misting properties offer the user excellent work piece visibility along with an improved working environment and the anti-oxidant package eliminates sticky residues and lacquers forming even when employed under 24 hour "lights out" operations.

Features & Benefits

- Pale coloured ~ Excellent work piece visibility
- Low Viscosity ~ Improved oil penetration
- Excellent lubricity ~ Promotes improved tool life
- Highly effective anti mist package ~ Improved working environment
- Outstanding oxidation resistance ~ Eliminates lacquers & residues
- Low odour ~ Improved operator acceptability
- Chlorine free ~ Reduced disposal costs

Typical Test Data

Grade	Metacut Ultra HL 5	Metacut Ultra HL 12	Metacut Ultra HL 22
Density @ 15°C	0.85	0.87	0.89
K.V. @ 40°C (cSt)	5.0	12.0	22.2
Flash Point (°C)	140	170	198

Availability

Pennine Metacut Ultra HL range is available in bulk, 1000 litre IBC's, 205 litre barrels and 25 litre drums.

Storage, Health & Safety

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open. 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 Lubricants is one of continual improvement; we therefore reserve the right to change specifications without notice.



Certificate Number: 9480
ISO 9001



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