



Industrial Lubricants



Automotive Lubricants



Biodegradable Lubricants



Agricultural Lubricants



Cleaning & Maintenance



Greases & Pastes



Foodsafe Lubricants



Heritage Oils



Lubrication Equipment



Metalworking Fluids



## Ultrasol X-NT 736

Superior Quality High Performance Semi Synthetic Metalworking Fluid

Product Code: AXM

Pennine Ultrasol X-NT 700 series products represent a range of new generation soluble metalworking fluids free from boron, formaldehyde release biocides, DCHA and chlorinated paraffins designed to comply with existing and pending REACH regulations offering the highest levels of health, safety and environmental compliance.

Ultrasol X-NT 736 is a medium oil content high performance semi synthetic soluble metalworking fluid incorporating carefully balanced levels of mineral oils and synthetic esters producing a highly robust micro emulsion when mixed with water.

Ultrasol X-NT 736 is a superior quality water soluble metalworking fluid designed to cater for the most demanding applications created by high pressure coolant delivery systems where foaming is problematic with conventional coolants.

Ultrasol X-NT 736 incorporates newly developed emulsifier technology which is compatible with both very soft and very hard make up waters resulting in significantly improved foam control and reduced instances of product instability due to soap scum formation.

### Applications

Ultrasol X-NT 736 is a heavy duty high performance product particularly well suited to operations where high levels of lubricity are required including turning, milling, drilling and deep hole drilling of arduous exotic alloys such as titanium, Inconel, nimonics, stainless steel along with aluminium and copper alloys where the product is inhibited against staining. The high levels of lubricity ensure excellent tool life and outstanding surface finish.

### Features & Benefits

- |  |   |  |
|--|---|--|
| • Boron & formaldehyde biocide free      | ~ | Improved EHS profile                   |
| • Biostable emulsion                     | ~ | Extended sump life                     |
| • Low foaming                            | ~ | Reduced anti-foam additions            |
| • Chlorine free                          | ~ | Improved environmental profile         |
| • Suitable for soft & hard make up water | ~ | Low foam and soap scum formations      |
| • Heavy duty formulation                 | ~ | Outstanding surface finish & tool life |



Certificate Number: 9480  
ISO 9001



Pennine Lubricants Limited Company reg no. 3510091



32 Atlas Way,  
Sheffield, S4 7QQ

T. 0114 285 2987  
E. [info@penninelubricants.co.uk](mailto:info@penninelubricants.co.uk)  
W. [www.penninelubricants.co.uk](http://www.penninelubricants.co.uk)



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### Typical Test Data

| Characteristic / Test                                  | Data        |
|--|-------------|
| Appearance (concentrate)                               | Straw       |
| Appearance (emulsion)                                  | Micro White |
| Specific Gravity @ 15°C                                | 0.976       |
| pH @ 5%  | 9.2         |
| IP 287 Breakpoint Corrosion                            | 2.5 %       |
| IP 125 Herbert Corrosion Test                          | N/A         |
| Dilution Range (min ~ max)                             | 4 ~ 10 %    |
| Refractometer Conversion Factor                        | 1.12        |
| Water Hardness Range ppm CaCO <sub>3</sub> (min ~ max) | 50 ~ 500    |

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 Ultrasol X-NT 736 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.



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