



Industrial Lubricants



Automotive Lubricants



Biodegradable Lubricants



Agricultural Lubricants



Cleaning & Maintenance



Greases & Pastes



Foodsafe Lubricants



Heritage Oils



Lubrication Equipment



Metalworking Fluids



Hydrosyn Bio E-46

Synthetic Ester Based HEES Biodegradable Hydraulic Fluid

Product Description

Hydrosyn Bio E-46 is a biodegradable high performance hydraulic fluid manufactured from advanced synthetic ester base fluids. The product incorporates ashless anti wear and extreme pressure additives providing exceptional performance and system cleanliness. Hydrosyn Bio E-46 is readily biodegradable and is recommended for applications where a product meeting HEES is required along with DIN 51524 II/III.

Applications

Hydrosyn Bio E-46 is primarily recommended for use in applications where a biodegradable hydraulic fluid is recommended to reduce environmental impact when compared to conventional mineral oil products. The product is compatible with mineral oils making changeover a simple process.

Features & Benefits

- | | | |
|----------------------------------|---|------------------------------|
| • Biodegradable | ~ | Improved EHS profile |
| • Compatible with mineral oil | ~ | Simple changeover process |
| • Excellent low temp performance | ~ | Maximised system efficiency |
| • Wide temp performance range | ~ | Universal applications |
| • Ashless anti wear additives | ~ | Maintains system cleanliness |





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Typical Test Data

Characteristic / Test	Data
Appearance (concentrate)	Pale Straw
Specific Gravity @ 15 ⁰ C	0.92
Flash Point ⁰ C	>200
Viscosity @ 40 ⁰ C	46
Viscosity @ 100 ⁰ C	9.5
Pour Point ⁰ C	>-40
Viscosity Index	>180
Biodegradability	>70%

Availability & Storage

Pennine Hydrosyn Bio E-46 is available in 1000 litre IBC's & 205 litre barrels. 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.

