



Ultramax SE 46

A synthetic ester based, biodegradable hydraulic fluid

Product code: H193

Product Description:

Ultramax SE 46 is a synthetic ester based, biodegradable hydraulic fluid designed for use in sensitive locations where accidental spillages would otherwise cause serious environmental contamination issues if conventional oils were used.

Ultramax SE 46 offers many advantages over vegetable oil based biodegradable hydraulic fluids. For example, it is far more resistant to oxidation which in turn means a greatly reduced risk of gumming and varnish deposits. As a result, Ultramax SE 46 provides a service life many times longer than that of conventional biodegradable fluids. Ultramax SE 46 also possesses improved low temperature fluidity and contains high quality ashless performance additives which will provide superior anti-wear protection, corrosion inhibition and low foaming properties.

Ultramax SE 46 utilises special additive technology which means that it will not react with zinc containing oils to form harmful deposits which can block filters. This is especially important during a changeover period where carry over from the previous oil may otherwise lead to problems.

Benefits:

- Thermally stable synthetic formulation
- Meets European Ecolabel criteria
- Compatible with mineral and vegetable oil-based fluids
- Extended drain intervals
- Low pour point
- Ash free

Applications:

Typical applications include construction equipment, agricultural machinery, forestry, horticultural equipment and mobile plant.

Product Specification:

- European Ecolabel
- ISO 15380 HEES
- Meets the requirements of standards OECD 201, 202 & 203 for ecotoxicity and OECD 301B for biodegradability
- Denison HF-2, HF-6
- Swedish Standard SS 15 54 34

Typical Test Data:

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|--------------------------------------|---------------|
| Appearance | Yellow liquid |
| Kinematic Viscosity @ 100°C (cSt) | 8.3 |
| Kinematic Viscosity @ 40°C (cSt) | 46.0 |
| Viscosity Index | 157 |
| Pour Point (°C) | < -39 |
| Density @ 15.6°C | 0.966 |
| Flash Point (COC) (°C) | >280 |
| Biodegradability (CEC-L-33-T-82) (%) | >98 |