

Technical Data Sheet

Product Name	EPoil WH110LV	
Description	Vegetable oil based, low viscosity, inactive, sulphurised, extreme pressure additive produced from specially selected lubricity enhancing fatty acid esters.	
Application	<p>Low active sulfur content makes EPoil WH110LV suitable for use in a large variety of formulations including, but not limited to, metal working fluids, honing oils, cutting oils and EP greases. Designed for use on both ferrous and non-ferrous metals and aluminium alloys.</p> <p><u>Typical Treatment rates:</u> Metal working fluids, honing oils and deep drilling fluids: 5 - 15% EP greases: 5 - 10%</p>	
Health and safety/ Transport	Not classified under CLP or transport regulations. Refer to Safety Data sheet for further information.	
Product Handling	WH110LV has a pour point below -10°C	
Typical Properties	Method	
Relative density @ 15.6°C	ASTM D4052-11	0.945 - 0.965
Kinematic viscosity @ 40°C	IP 71 Section 1/97, cSt	22.0 - 50.0
Colour ¹	ASTM D1500-12	2.0 max
Copper corrosion ²	IP 154/2000, 3h @ 100°C	Class 1 max
Total sulphur	IP 242/83, %w/w	10.0 - 12.0
Solubility ¹	HB01	Complete
Kinematic viscosity @ 100°C	IP 71 Section 1/97, cSt	8
Active sulphur	ASTM D1662-08, %w/w	1
Load carrying ability ¹		
Weld load, 60s	IP 239/2007	220 kg
Wear scar, 1h @ 20kg	IP 239/2007	0.59 mm
Weld load, 60s	DIN 51350-2	2100 - 2200 N
Wear scar, 1h / 300N	DIN 51350-3 (B)	0.66 mm
Packaging	190 kg net drums / 950 kg net IBCs / bulk	
Shelf life	12 months if stored in the dry at less than 40°C	

Properties in bold are specification tests. Other data is provided as additional information obtained as typical values.

¹ = Blend of 5% EPoil WH110LV in 100SN

² = Blend of 10% EPoil WH110LV in 100SN



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