

Technical Data Sheet

Product Name	EPOil WH120LV	
Description	Inactive, low viscosity, sulphurised extreme pressure additive based on vegetable oil fatty acids and methyl esters.	
Application	Ideal for neat metalworking fluids, greases and industrial lubricants. Can be formulated for use in cutting, deep drilling, forming and tapping. Moderate active sulphur enhances load carrying ability but with yellow metal compatibility at lower temperatures. <u>Typical treatment rates:</u> Deep drilling oils: ~ 15%. Multimetal cutting oils: ~ 5%	
Health and safety/ Transport	Not classified under CLP or transport regulations	
Product Handling	WH120LV has a pour point below 0°C	
Typical Properties	Method	
Relative density @ 15.6°C	ASTM D4052-11	0.990 - 1.010
Kinematic viscosity @ 40°C	IP 71 Section 1/97, cSt	70.0 - 110
Colour¹	ASTM D1500-12	2.0 max
Copper corrosion¹	IP 154/2000, 3h @ 100°C	Class 1 max
Total sulphur	IP 242/83, %w/w	19.0 - 20.0
Solubility¹	HB01	Complete
Kinematic viscosity @100°C	IP 71 Section 1/97, cSt	13
Active sulphur	ASTM D1662-08, %w/w	10
Load carrying ability ¹		
Weld load, (60s)	IP 239/2007	300 kg
Wear scar, 1 hour / 20kg	IP 239/2007	0.62 mm
Weld load, (60s)	DIN 51350-2	2900 - 3000 N
Wear scar, 1 hour / 300N	DIN 51350-3 (B)	0.81 mm
Packaging	200 kg net drums / 1000 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 WH120LV in 100SN



All technical information, verbal or in writing is offered in good faith but is for guidance only. It does not release you from the obligation to test the product supplied to ensure suitability for the intended purpose. The application, use and processing of the product are beyond our control, and thus entirely your responsibility. Any liability for damage will be limited to the value of goods delivered to you. We will only provide goods of consistent quality, which conform to specification.