

product data sheet

VARCUT 4124

High performance low viscosity extreme pressure neat cutting and grinding oil

VARCUT 4124 is an extreme pressure oil developed for use on steel and non-ferrous alloy metals in a wide range of high pressure and performance machining applications. The product is designed for severe duty general machining and grinding including deep hole boring, broaching and gear manufacturing of ferrous and non-ferrous materials.

VARCUT 4124 is based on high viscosity index hydro treated base oils and advanced synthetic mono esters combined with high performance inactive sulphur EP and lubricity additives. The product also contains anti-oxidant additives to extend the life of this high performance neat cutting oil.

VARCUT 4124 will give a number of benefits when machining particularly difficult materials e.g. stainless steel on sliding head machine tools. In addition to those described on this sheet the machine speeds and feeds can be increased which reduces the time taken to complete production runs - which frees machine time to increase machining capacity.

VARCUT 4124 can be used for all forms of grinding, is suitable for use as a lubricating oil where a viscosity grade of ISO 12 is acceptable.

Features and Benefits

Very high lubricity	Improved tool life and surface finish
Chlorine free	Increased product cycles
High viscosity index	Potential rationalisation product
High flash point	Used in high pressure systems up to 100 bar
Low mist, low odour	Multi metal compatible

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Typical Data

			Varcut 4124
Parameter	Unit	Method	
Kinematic Viscosity			
KV40	mm²/Sec	ASTM-D445	12
Appearance		Visual	Light straw
Density @ 15.5°C	g/cm³	ASTM-D4052	0.860
Flashpoint	°C	ASTM-D92	145
Ester			Yes
Sulphur (Inactive)			Yes
Phosphorus			Yes
Chlorine			No

Varcut 4124 is designed to be used as supplied and is safe to use on most metals.

Varcut 4124 should always be stored indoors and protected from extremes of temperature.

Varol Metalworking		Varol Machine Lubricants	
Varcut	Neat cutting oils, high performance, extensive range of viscosities	Varlube S Viscosity 32 - 320	Slideway
Varform	Comprehensive range of neat forming oils, including water extendable versions and vanishing oils	Varmulti Viscosity 32 - 680	Multilube - Slideway, Gear, Hydraulic
Varclean	Aqueous based wash fluids, surface cleaners and solvent degreasers	Vargear Viscosity 68 - 460	Industrial Gear
Varcool & Vargrind	Comprehensive range of high performance water soluble fluids. Low, medium, high oil content and synthetics	Varpress Viscosity 5 - 150	Hydraulic oil range covering zinc containing, zinc free and high VI



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