

product data sheet

VARCUT 4224

High performance extreme pressure neat cutting oil

VARCUT 4224 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 including broaching and gear manufacturing of ferrous and non-ferrous materials.

VARCUT 4224 is based on high viscosity index hydro treated base oils and advanced synthetic 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 4224 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 4224 can be used for all forms of grinding, is suitable for use as a lubricating oil where a viscosity grade of ISO 22 is required. It can be utilised in automatic lathes where cross leakage into gearboxes can occur.

Features and Benefits

Very high lubricity

Contains anti-mist additives

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 4224
Parameter	Unit	Method	
Kinematic Viscosity			
KV40	mm²/Sec	ASTM-D445	22.00
Appearance		Visual	Light straw
Density @ 15.5°C	g/cm³	ASTM-D4052	0.870
Flashpoint	°C	ASTM-D92	200
Ester			Yes
Sulphur (Active slow release)			Yes
Chlorine			No

Varcut 4224 is designed to be used as supplied and is safe to use on most metals.

Varcut 4224 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