

product data sheet

VARCUT 4229

High performance medium viscosity extreme pressure neat cutting oil

VARCUT 4229 is a heavy duty high performance chlorine free neat cutting oil developed for use on cast iron, high tensile and high alloy steels across a wide range of machinery. Typical applications include general machining on bar autos and automatic machines, deep hole drilling, boring, gear hobbing, reaming, broaching and thread cutting.

VARCUT 4229 is based on advanced synthetic lubricity esters combined with high performance none chlorinated EP additives for heavy duty performance. The product also contains an ant-mist additive for improved operator acceptance and excellent operating conditions.

VARCUT 4229 is a medium viscosity product ensuring rapid penetration to the cutting tool / work piece zone to provide maximum flushing of swarf and chippings. Due to the viscosity range of this product it can be used as a general lubricating oil where cross leakage can occur from other applications on the machine tool. The product can also be utilised on metal forming applications where a low viscosity drawing and forming oil with excellent boundary lubrication is of benefit.

VARCUT 4229 may not be suitable for use on some yellow metals such as brass or copper.

Features and Benefits

High lubricity	Improved tool life and surface finish
Heavy duty performance on all steels	Potential rationalisation product
High flash point	Used in high pressure systems
High flash point	Used in high pressure systems up to 100 bar
Low mist, low odour	Increased product cycles

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Typical Data			
			Varcut 4229
Parameter	Unit	Method	
Kinematic Viscosity			
KV40	mm²/Sec	ASTM-D445	22.00
Appearance		Visual	Brown
Density @ 15.5°C	g/cm³	ASTM-D4052	0.870
Flashpoint	°C	ASTM-D92	>200
Ester			Yes
Sulphur (Active)			Yes
Chlorine			No

Varcut 4229 is designed to be used as supplied and is safe to use on most metals.

Varcut 4229 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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