

product data sheet

VARCUT 7109

Chlorine free high performance extreme pressure neat cutting oil.

VARCUT 7109 is an extreme pressure oil developed for use on steel and nonferrous alloy metals in a wide range of high pressure and performance machining applications. The product is designed for general machining including turning, milling, drilling and gear manufacturing of ferrous and non-ferrous materials

VARCUT 7109 is based on high viscosity index hydro treated base oils, synthetic sulphurised ester and advanced lubricity ester.

VARCUT 7109 will give a number of benefits when machining particularly difficult materials e.g. steels 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 7109 can also be used for all forms of grinding, is suitable for use as a lubricating oil where a viscosity grade of ISO 10-22 is required. It can be utilised in automatic lathes where cross leakage into gearboxes can occur.

Features and Benefits

Very high lubricity	Improved tool life and surface finish
Chlorine free	Increased product cycles
High viscosity index	Potential rationalisation product
Extended tool life performance	None staining of all none ferrous materials
Synthetic ester base	Excellent flushing and cutting performance
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 7109
Parameter	Unit	Method	
Kinematic Viscosity			
KV40	mm²/Sec	ASTM-D445	10.00
Appearance		Visual	Light straw
Density @ 15.5°C	g/cm³	ASTM-D4052	0.820
Flashpoint	°C	ASTM-D92	>160
Ester			Yes
Sulphur (Inactive)			Yes
Chlorine			No

Varcut 7109 is designed to be used as supplied and is safe to use on most metals.

Varcut 7109 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