

# product data sheet

## **VARBASE RANGE**

### **Highly refined paraffinic base oils**

**VARBASE** oils are highly refined mineral oils available in a range of viscosities from ISO VG22 to ISO VG 100.

**VARBASE** oils can be used for many applications including lightly loaded mechanisms, lightly loaded gearboxes, total loss lube systems, spindle oils, flushing oils (22-32) and general workshop lubes.

#### **Features and Benefits**

High quality solvent refined mineral oils with low aromatic content

Resistant to oxidation

Good stability

Non staining towards copper, brass and other "yellow" metals

Compatible with common sealing materials

#### **Typical Properties**

<b>Parameter</b>	<b>Unit</b>	<b>Method</b>	<b>VARBASE</b>			
			<b>2002</b>	<b>2008</b>	<b>3002</b>	<b>9005</b>
<b>Kinematic Viscosity</b>						
<b>KV40</b>	<b>mm<sup>2</sup>/Sec</b>	<b>ASTM-D445</b>	22.00	25.00	32.00	90.0
<b>Viscosity index</b>	-	<b>ASTM-D2270</b>	95	95	95	95
<b>Density @ 15.5°C</b>	<b>g/cm<sup>3</sup></b>	<b>ASTM-D4052</b>	0.848	0.850	0.850	0.882
<b>Flashpoint</b>	<b>°C</b>	<b>ASTM-D92</b>	190	190	204	208
<b>Pour point</b>	<b>°C</b>	<b>ASTM-D97</b>	-12	-12	-12	-9
<b>Carbon Residue</b>	<b>% WT</b>	<b>ISO 10370</b>	<0.05	<0.05	<0.05	<0.05

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