

# product data sheet

## VARLUBE RANGE

### Highly refined paraffinic lubricating oils

**VARLUBE** oils are highly refined paraffinic mineral oils available in a range of viscosities from ISO 10 to ISO 1000. Low viscosity oils such as Varlube 10 may be used as airline lubricating oils.

**VARLUBE** oils can be used for many applications including lightly loaded mechanisms (22-1000), lightly loaded gearboxes or worm gears (220-680), total loss lubrication systems (22-1000), as spindle oils (22-46) and for general workshop lubrication.

**VARLUBE** oils are ideal for circulation and industrial lubrication applications and are also suitable for use as straight base oils.

#### 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 Data

ISO Grade			10	22	32	46	68	100
Parameter	Unit	Method						
<b>Kinematic Viscosity</b>								
<b>KV40</b>	mm <sup>2</sup> /Sec	ASTM-D445	10.00	22.00	32.00	46.00	68.00	100.00
<b>KV100</b>	mm <sup>2</sup> /Sec	ASTM-D445	2.67	4.31	5.37	6.77	8.70	11.36
<b>Viscosity index</b>	-	ASTM-D2270	99	99	99	99	99	99
<b>Density @ 15.5°C</b>	g/cm <sup>3</sup>	ASTM-D4052	0.840	0.848	0.848	0.850	0.882	0.884
<b>Flashpoint</b>	°C	ASTM-D92	170	190	204	206	208	212
<b>Pour point</b>	°C	ASTM-D97	-18	-18	-15	-15	-15	-158

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ISO Grade			150	220	320	460	680	1000
Parameter	Unit	Method						
<b>Kinematic Viscosity</b>								
<b>KV40</b>	<b>mm<sup>2</sup>/Sec</b>	<b>ASTM-D445</b>	150.00	220.00	320.00	460.00	680.00	1000.00
<b>KV100</b>	<b>mm<sup>2</sup>/Sec</b>	<b>ASTM-D445</b>	15.00	18.80	24.00	31.00	37.49	47.70
<b>Viscosity index</b>	-	<b>ASTM-D2270</b>	99	95	95	95	90	90
<b>Density @ 15.5°C</b>	<b>g/cm<sup>3</sup></b>	<b>ASTM-D4052</b>	0.890	0.900	0.900	0.902	0.910	0.912
<b>Flashpoint</b>	<b>°C</b>	<b>ASTM-D92</b>	218	218	218	220	224	224
<b>Pour point</b>	<b>°C</b>	<b>ASTM-D97</b>	-12	-12	-9	-9	-9	-9

Varol Metalworking		Varol Machine Lubricants	
<b>Varcut</b>	Neat cutting oils, high performance, extensive range of viscosities	<b>VARLUBE</b> Viscosity 32 - 320	Slideway
<b>Varform</b>	Comprehensive range of neat forming oils, including water extendable versions and vanishing oils	<b>VARLUBE</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