

product data sheet

VARGEAR PAG RANGE

PAG synthetic industrial gear oils

VARGEAR PAG gear oils are a range of fully synthetic gear oils, manufactured from polyalkylene glycol (PAG) fluids and specialised extreme pressure (EP) additives, to provide outstanding protection at all temperatures to industrial gear systems.

VARGEAR PAG gear oils maintain an effective film over a wide range of temperatures, these fluids offer high natural lubricity, reducing friction and low operating temperatures. Other advantages offered by PAG based gear oils are high load carrying capacity, anti-wear performance and EP properties with excellent protection against corrosion.

VARGEAR PAG gear oils must **NEVER** be mixed with mineral or PAO based gear oils.

Features and Benefits

Offers exceedingly high levels of wear protection

Outstanding oxidation stability and resistance to thermal breakdown

High load carrying properties

Free from mineral oil, sulphur and chlorine

Free from metal based additives including lead

Non-staining towards yellow metals

Specifications

DIN 51517 Part 3 (CLP)

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Typical Properties						
ISO Grade			150	220	320	460
Parameter	Unit	Method				
Kinematic Viscosity						
KV40	mm ² /Sec	ASTM-D445	150.00	220.00	320.00	460.00
KV100	mm ² /Sec	ASTM-D445	26.15	38.12	55.00	76.90
Viscosity index	-	ASTM-D2270	210	225	240	250
Density @ 15.5°C	g/cm ³	ASTM-D4052	1.07	1.07	1.08	1.08
Flashpoint	°C	ASTM-D92	260	265	265	266
Pour point	°C	ASTM-D97	-36	-36	-36	-36
FZG Failure Load		ISO 14635-1	12+	12+	12+	12+
Copper Strip Corrosion		ASTM D130	1b	1b	1b	1b

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