



# Rokolub<sup>®</sup> MOS Series

## Mineral Oil Soluble PAGs

Local. Global. Integrated.

## General info & uses

**Rokolub® MOS** products are fully synthetic polyglycols (PAG) for use in various applications where contamination or mixture with conventional mineral oils might occur. Rokolub® MOS products display desired intrinsic properties, such as low friction,

high anti-wear, high viscosity index and ability to withstand high temperatures. Rokolub® MOS products are miscible with Gr. I to Gr. IV base oils and other PAG, and improve electrical conductivity of lubricants.

### Applications

- industrial lubricants, such as gear, hydraulic or compressor oils
- greases
- metalworking fluids

### Features

- miscibility with mineral base oils
- low four-ball wear (VKA)
- high Viscosity index
- low friction coefficient
- electrical conductivity

### Advantages

- top-up / unintended mixture without issues
- improved anti-wear performance on moving parts
- small viscosity change over wide temperature range
- reduced wear and friction losses
- no electro-corrosion on machine parts

### Benefits

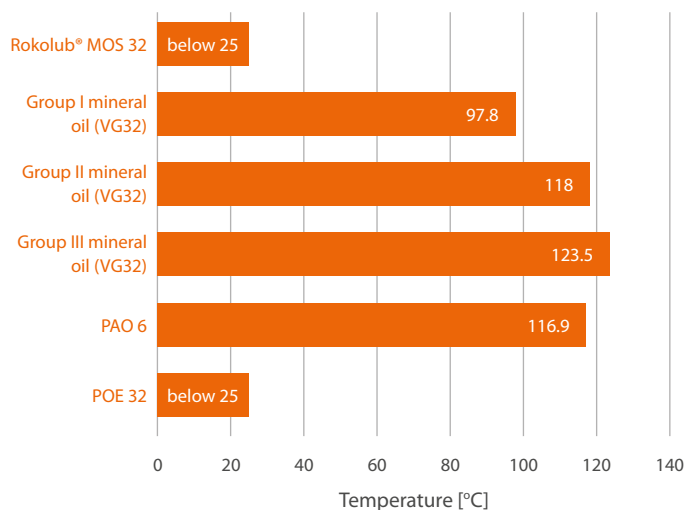
- low aniline point
- longer equipment life; lower maintenance cost
- precision of operation; protection of equipment
- energy savings
- less risk of downtime; longer equipment life

## Typical properties

Product name	ISO Viscosity Grade	Kinematic viscosity at 40°C [mm²/s]	Kinematic viscosity at 100°C [mm²/s]	Viscosity Index	Pour Point [°C]	Flash Point (COC) [°C]	Aniline Point [°C]	Anti-wear – scar diameter [mm]	Air release [min]
		ASTM D445	ASTM D445						
Rokolub® MOS 22	22	20	4.6	148	<(-30)	218	<25	0.56	<0.5
Rokolub® MOS 32	32	31	6.5	171	<(-38)	250	<25	0.50	<0.5
Rokolub® MOS 46	46	46	9.2	185	<(-30)	242	<25	0.55	<0.5
Rokolub® MOS 68	68	66	12	182	<(-30)	246	<25	0.49	<0.5
Rokolub® MOS 100	100	100	17	183	<(-30)	250	<25	0.52	<0.5
Rokolub® MOS 220	220	210	30	187	<(-30)	226	<25	0.49	<0.5
Rokolub® MOS 460	460	433	51	181	(-35)	240	<25	0.54	<0.5
Rokolub® MOS 680	680	637	73	194	(-28)	241	<25	0.52	<0.5

## Aniline point

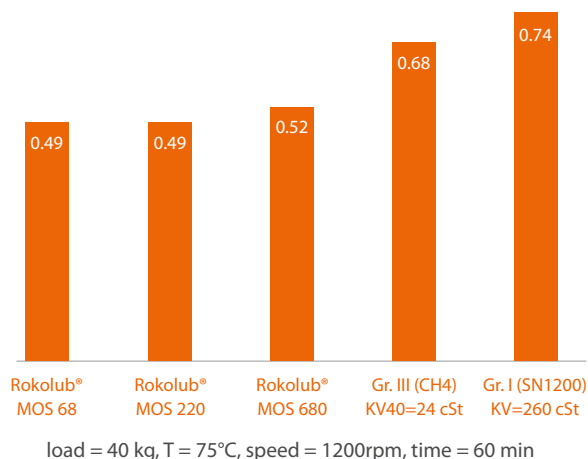
Rokolub® MOS base oils show very low aniline point in comparison with mineral base oils and polyalphaolefins.



## Anti-wear performance

Rokolub® MOS products perform well in VKA-Test, indicating its intrinsic anti-wear properties. Scar diameters are far lower when compared with a very heavy base oil.

### 4 Ball Test, ASTM D4172-94 Anti-wear (AW) performance



## Compatibility

Rokolub® MOS products provide miscibility with different range of mineral oils which is a great advantage when compared with conventional PAG. Rokolub® MOS products perform good

miscibility with mineral oils in a wide range of temperature which makes them useful in different working conditions.

Product name	SN150 VG32 Base oil – group I				SN500 VG100 Base oil – group I				SN650 VG100-150 Base oil – group I				Chevron 600R VG100 Base oil – group II				HC60 VG10-22 Base oil – group III			
	-10°C	4°C	25°C	50°C	-10°C	4°C	25°C	50°C	-10°C	4°C	25°C	50°C	-10°C	4°C	25°C	50°C	-10°C	4°C	25°C	50°C
Rokolub® MOS 22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rokolub® MOS 32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rokolub® MOS 46	●	+	+	+	●	+	+	+	●	●	+	+	●	+	+	+	●	+	+	+
Rokolub® MOS 68	●	+	+	+	●	+	+	+	●	●	+	+	●	+	+	+	●	+	+	+
Rokolub® MOS 100	●	+	+	+	●	+	+	+	●	●	+	+	●	+	+	+	●	+	+	+
Rokolub® MOS 220	●	+	+	+	●	+	+	+	●	●	+	+	●	+	+	+	●	+	+	+
Rokolub® MOS 460	●	+	+	+	●	+	+	+	●	●	+	+	●	+	+	+	●	+	+	+
Rokolub® MOS 680	●	+	+	+	●	+	+	+	●	●	+	+	●	+	+	+	●	+	+	+

+ clear solution ● turbid solution

\*all results after 7 days



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September 2025

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The suggestions for product applications are based on our best knowledge.

The responsibility for the use of products in conformity or otherwise with the suggested application, and for determining product suitability for the user's own purposes rests with the user.

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