

Lubricants for industry.



Circulating SMP

Ash-free lubricants for circulation systems in paper and steel industry machinery.

Use

- Formulated with highly refined paraffinic base oils and selected ash-free additivation.
- Especially recommended for bearing lubrication in paper mills: dry-part bearings (ISO VG 220) and wet-part bearings (ISO VG 150), meeting the requirements required by the main manufacturers of paper machinery.
- Also suitable in the steel industry, for lubricating Mesta and Mergoil type bearings by circulation, of the thrust rollers in rolling trains, subject to very severe conditions.

Benefits

- Excellent demulsifier power even after long service periods.
- Very good anti-foam properties.
- The use of ash-free additives gives it excellent anti-wear capacity, which allows for the maximum reduction of friction coefficients, avoiding temperature increases and reducing energy consumption.
- High oxidation stability. Prolonged duration of in-service loads.
- Very good anti-corrosion and anti-rust properties. It ensures that the parts of the machines in contact with the oil are highly protected.
- Extraordinary filterability characteristics.

Specifications

- SMS SIEMAG
- MESTA
- MORGOL
- DIN 51517 Part 3 (CLP)

Physical and chemical properties

Parameter	Units	Method	Circulating SMP				
			100	150	220	460	680
ISO Grade	-	-	100	150	220	460	680
Density at 15 °C	Kg/l	ASTM D-4052	0.889	0.895	0.899	0.906	0.907
Flash Point, COC	°C	ASTM D-92	230	240	250	304	306
Pour Point, max	°C	ASTM D-5950	-15	-12	-12	-9	-9
Viscosity at 40°C	cSt	ASTM D-445	97	151	245	468	611
Viscosity at 100°C	cSt	ASTM D-445	10.9	14.9	20.6	31.6	37.4
Viscosity Index	-	ASTM D-2270	96	98	98	98	98
Demulsibility at 82°C, 3 ml	minutes	ASTM D-1401	<20	<30	<30	<30	<60
FZG test, fault stage	-	DIN 51354-2	12	12	12	12	12
Rust prevention (Proc. A)	-	ASTM D-665	Pass	Pass	Pass	Pass	Pass

Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.