

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 Morgoil 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
- MORGIL
- MESTA
- DIN 51517 Part 3 (CLP)

> Physical and chemical properties

Parameter	Units	Method	Circulating SMP				
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.