

Paper Machine Oils

(June 2021 edition)

AMALIE Paper Machine Oils are formulated to perform in the rigorous environment of modern paper machines. Their versatile design allows effective operation for both “Wet” and “Dry” end applications when used for the manual, ring, collar or rolling bearings of the paper machine's dry end as well as in vacuums, water pumps, blowers, main drive shafts, and re-winders. They provide excellent oil/water separation, anti-wear properties, corrosion protection, oxidation inhibition, filterability, and low foaming tendencies in high temperature, high pressure heavy-duty service. These oils demonstrate outstanding water separation characteristics for the removal of water from gear and bearing systems.

Benefits

AMALIE Paper Machine Oils provide excellent:

- Water Separation Properties
- Foam Resistance
- Oxidation Resistance
- Corrosion Resistance

Typical Physical and Chemical Properties

Viscosity Grade	150	220	320
Specific Gravity	0.886	0.894	0.900
Kinematic Viscosity @100°C, cSt	14.9	19	24.4
Kinematic Viscosity @40°C, cSt	150	220	320
Viscosity Index	97	96	96
Water Separation, ASTM D1401, minutes to 3mL emulsion	10	<15	<20
Flash Point, °C	265	275	285
Pour Point, °C	-27	-18	-15
Rust Prevention, ASTM D665 A	PASS	PASS	PASS
Rust Prevention, ASTM D665 B	PASS	PASS	PASS
Foam Test, ASTM D 892, SEQ I	0/0	0/0	0/0
Foam Test, ASTM D 892, SEQ II	0/0	0/0	0/0
Foam Test, ASTM D 892, SEQ III	0/0	0/0	0/0
Copper Strip Corrosion, 3hr @100C, ASTM D130	1A	1A	1A
FZG, Fail Stage, DIN 51354	12	>12	>12

Typical values are listed. Variations not affecting the performance of this fluid may occur during production.

Applications Listed on Page 2.

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Applications

AMALIE Paper Machine Oils are recommended for use for SKF (paper machine oils), Metso (paper machine oils), Voith systems (Voith VN 108, Hydraulic Rolls, Wet End, Dry End, Press Rolls), Valmet (Wet End, Dry End, Zone Controlled Rolls), or applications requiring DIN 51517-2 CL, 51517-3 CLP, an 51524-2 HLP fluids.

Additional Information

Please use proper handling and care that you would use with any petroleum-based fluid. Contact your Sales Representative for SDS.