

# AMALIE®

Better than it has to be®  
Since 1903



## PAPER MACHINE OIL

# 320

### BENEFITS:

**AMALIE Paper Machine Oils** provide excellent:

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



MADE IN U.S.A.



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# PAPER MACHINE OIL

**AMALIE Paper Machine Oil 320** is formulated to perform in the rigorous environment of modern paper machines. Its 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. It provides excellent oil/water separation, anti-wear properties, corrosion protection, oxidation inhibition, filterability, and low foaming tendencies in high temperature, high pressure heavy-duty service. This oil demonstrates outstanding water separation characteristics for the removal of water from gear and bearing systems.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Viscosity Grade.....	320
Specific Gravity.....	0.900
Kinematic Viscosity @100°C, cSt.....	24.4
Kinematic Viscosity @40°C, cSt.....	320.0
Viscosity Index.....	96
Water Separation, ASTM D1401, minutes to 3mL emulsion .....	<20
Flash Point, °C.....	285
Pour Point, °C.....	-15
Rust Prevention, ASTM D665 A.....	Pass
Rust Prevention, ASTM D665 B.....	Pass
Foam Test, ASTM D 892, SEQ I.....	0 / 0
Foam Test, ASTM D 892, SEQ II.....	0 / 0
Foam Test, ASTM D 892, SEQ III.....	0 / 0
Copper Strip Corrosion, 3hr @100C, ASTM D130.....	1A
FZG, Fail Stage, DIN 51354.....	>12

Typical values are listed. Variations not affecting the performance of this fluid may occur during production; however, these variations will not fall outside of set specification parameters.

Please consult AMALIE Technical Services or your local representative for a full listing of applications.

Technical Services: • (800) 368-1264 • [techservices@amalie.com](mailto:techservices@amalie.com)

### Paper Machine Oil

VISCOSITY	PACK SIZE	PART #
320	55 Gallon Drum	160-77443-05

The data presented herein are believed to be accurate; however, Amalie Oil Company shall not be liable for its content and makes no warranty with respect thereto.

### Health and Safety

Safety Data Sheets (SDS) are available from your sales representative or at [AMALIE.com](http://AMALIE.com).

## APPLICATIONS AND RECOMMENDATIONS

AMALIE Paper Machine Oil 320 is 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, and 51524-2 HLP fluids.

**Additional Information:** Please use proper handling and care that you would use with any petroleum-based fluid.