

AMALIE®

Better than it has to be®
Since 1903



SPINDLE / NEEDLE

ISO 22

BEARING OIL

BENEFITS:

- » Light in Color
- » Excellent Corrosion Protection
- » Very Good Water Separation Characteristics



MADE IN U.S.A.



SPINDLE / NEEDLE BEARING OIL

AMALIE Spindle / Needle Bearing Oil 22 is a low viscosity oil used to lubricate the bearings of commercial sewing and textile equipment where the yarn or fabric does not contact the lubricant. This oil is also recommended for high-speed spindle bearings in precision grinders and other machine tools requiring a low-viscosity oil. This product offers strong oxidation and rust resistance properties. The higher viscosity index (VI) of this oil reduces the tendency for stray mist or fogging in higher speed applications. **AMALIE Spindle / Needle Bearing Oil 22** is suitable for use wherever strong oxidation protection and rust inhibition are required. Not recommended for applications where the spindle oil contacts the yarn or fabric.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

ISO Viscosity Grade.....	22
API Gravity.....	34.5
Flash Point, °C.....	205
Viscosity @100, cSt.....	4.3
Viscosity @40, cSt.....	22.0
Total Acid Number (TAN).....	0.8
Pour Point, °C.....	-20

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.

PERFORMANCE APPLICATION CHART

SPECIFICATIONS	SPINDLE / NEEDLE ISO 22
Cincinnati Machine	Meets
Rust, ASTM D 665A, B	Pass
Corrosion, ASTM D 130	Pass
Demulsibility ASTM D 2711(pass)	Pass
Oxidation, S-200 (pass)	Pass
Foam Inhibition, ASTM D 892 (pass)	Pass

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

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

SPINDLE / NEEDLE BEARING

VISCOSITY	PACK SIZE	PART #
ISO 22	55 Gallon Drum	160-64513-05

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.