

# AMALIE®

Better than it has to be®  
Since 1903



## INDUSTRIAL

## GEAR OIL

ISO  
**320**

## SYNTHETIC BASE

### BENEFITS:

- » Longer Service Life Than Mineral Products
- » Greater Thermal and Oxidative Stability
- » Better Energy Efficiency



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# INDUSTRIAL GEAR OIL SYNTHETIC BASE

**AMALIE Industrial Gear Oil (Synthetic Base) 320** is a synthetic based lubricant containing extreme pressure (EP) additives. The synthetic formulation allows for greater oxidation stability, reduced frictional coefficients, and longer service life than mineral oil-based products. It is formulated to provide excellent water separability, wear protection, seal compatibility, and to reduce micro-pitting enabling your gearbox to run longer. This gear oil offers outstanding performance for enclosed gear applications.

**AMALIE Industrial Gear Oil (Synthetic Base) 320** has good filtration properties and is extremely resistant to gear wear and scuffing. This oil is formulated for highly loaded enclosed industrial gear boxes with splash or forced circulation systems. It may be used to lubricate steel-on-steel, spur, helical, bevel, or planetary gear drives.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

ISO Grade.....	320
API Gravity.....	33.0
Flash Pt. °C.....	>245
Viscosity cSt@40°C.....	320
Viscosity cSt@100°C.....	34.5
Viscosity Index.....	150
Pour Pt, °C.....	-27
AGMA Grade.....	6S
Timken OK Load.....	≥70
FZG Load Stage.....	>14
Water Separation, D2711.....	Pass
Oxidation, S-200.....	Pass
Foam Suppression, D892.....	Pass

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.

## APPLICATIONS

**AMALIE Industrial Gear Oil (Synthetic Base) 320** meets the following OEM, Industry and national specifications: ANSI/AGMA 9005-E02 (EP); ISO 12925-1 Type CKD; ISO 5157-3 (CLP); China National Standard GB 5903-2011 L-CKD; AIST (US Steel) 224, David Brown S1.53.106 in grades below ISO 1000.

**Additional Information:** Please use proper handling and care that you would use with any lubricating oil.

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

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

### Health and Safety

Safety Data Sheets (SDS) are available from your sales representative or at AMALIE.com.

### INDUSTRIAL GEAR OIL - SYNTHETIC BASE

VISCOSITY	PACK SIZE	PART #
320	55 Gallon Drum	160-69063-05

Always refer to your vehicles operating manual to select the correct grade of oil for your engine. 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.