

# AMALIE®

Better than it has to be®  
Since 1903



## ALL-CLIMATE MULTI-VIS

## ISO 22

### HYDRAULIC OIL

#### BENEFITS:

- » Shear Stable
- » Oxidation Resistance Even in the Presence of Contaminants ASTM D943 TOST >5000 hr.
- » High Resistance to Rust and Corrosion
- » Excellent Foam Suppression
- » Rapid Water Separation



MADE IN U.S.A.



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# ALL-CLIMATE MULTI-VIS HYDRAULIC OIL

**AMALIE All-Climate Multi-Vis Hydraulic Oil 22** is formulated using high viscosity index base stocks, a shear stable viscosity modifier and chemical components to control wear, oxidation, sludge, corrosion, foaming, and to promote water separation. It is designed for applications where a wide range of temperature operation is needed as well as wear protection, rust protection, and anti-oxidant performance. It provides robust pump and filtration performance in excess of 5,000 hours, even in the presence of incidental water contamination. **AMALIE All-Climate Multi-Vis Hydraulic Oil 22** provides protection to hydraulic systems employing vane, gear and other types of pumps that require anti-wear (boundary-type) protection.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

ISO Grade.....	22
Specific Gravity.....	0.852
Kinematic Viscosity @ 100°C, cSt.....	4.8
Kinematic Viscosity @ 40°C, cSt.....	22.0
Viscosity Index.....	145
Pour Point, °C.....	-45
Oxidation Life TOST, hr.....	>5000

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.

### 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](mailto:techservices@amalie.com)

### ALL-CLIMATE MULTI-VIS HYDRAULIC OIL

VISCOSITY	PACK SIZE	PART #
ISO 22	55 Gallon Drum	160-65913-05

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

AMALIE All-Climate Multi-Vis Hydraulic Oil 22 is formulated to meet or exceed the following National and OEM specification requirements:

- ASTM D6158 HL, HM, HV
- Bosch Rexroth RDE-90235, 90220
- Chinese Standard GB 11118.1 L-HL, L-HM
- Danieli 0.000.001 Type 10 & 11
- DIN 51524 PART 1, 2, 3
- Eaton 03-401-2010
- Eaton E-FDGN-TB002-E
- Fives Cincinnati P-68, P-69 & P-70
- GM LS-2 Antiwear Hydraulic Oil
- ISO 11158 HL, HM, HV
- JCMAS HK P041
- Parker Denison HF-1, HF-2, HF-0
- SAE MS1004
- SWEDISH STANDARD SS 155434:2015
- U.S. Steel 126
- Vickers MS-2950, I-2860, 35VQ25
- ZF TE-ML 07H
- ZF TE-ML 21M

Some specifications are ISO Grade specific. Please reference your OEM manual to select the correct ISO Grade.