

AMALIE

Better than it has to be®
Since 1903



ALL WEATHER

ISO 220

HYDRAULIC OIL

BENEFITS:

- » Excellent Performance for Vane, Gear, Axial and Radial Piston Pumps
- » Extended Service Life as Demonstrated by ASTM D943 TOST >5000 hr.
- » Pump Protection Through Anti-Wear Performance Exceeding Industry OEM Pump Specification Tests
- » Offers High Resistance to Rust and Corrosion
- » Excellent Foam Suppression Reducing Pump Failure Due to Cavitation



MADE IN U.S.A.



Better than it has to be®
Since 1903

ALL WEATHER HYDRAULIC OIL

AMALIE All Weather Hydraulic Oil 220 is formulated with highly refined base stocks and chemical components to control wear, oxidation, sludge, corrosion, foaming, and to promote water separation. This oil is designed to lubricate hydraulic systems that require wear protection, rust protection, and antioxidant performance. It is specifically formulated to provide robust pump and filtration performance in excess of 5,000 hours, even in the presence of incidental water contamination. **AMALIE All Weather Hydraulic Oil 220** is formulated to exceed the requirements of pump, filter and control valve OEMs. This oil 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.....	220
Specific Gravity.....	0.886
Kinematic Viscosity @ 100°C, cSt.....	19.4
Kinematic Viscosity @ 40°C, cSt.....	220
Viscosity Index.....	100
Pour Point, °C.....	-15
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

ALL WEATHER HYDRAULIC OIL

VISCOSITY	PACK SIZE	PART #
ISO 220	55 Gallon Drum	160-74133-05

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.

APPLICATIONS

AMALIE All Weather Hydraulic Oil 220 is formulated to meet or exceed the following National and OEM specification requirements:

- ASTM D6158 HL, HM
- 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
- 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
- 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.