

AMALIE

Better than it has to be®
Since 1903



ALL-CLIMATE

ASHLESS MULTI-VIS

ISO 68

HYDRAULIC OIL

BENEFITS:

- » Shear Stable
- » Oxidation Resistance Even in the Presence of Contaminants
- » Pump Protection Through Anti-Wear Performance
- » Offers High Resistance to Rust and Corrosion
- » Excellent Foam Suppression Reducing Pump Failure Due to Cavitation
- » Allows Water to Rapidly Separate from the Oil and be Drained from the System
- » Ashless Non-Zinc Formulation



MADE IN U.S.A.



Better than it has to be[®]
Since 1903

ALL-CLIMATE ASHLESS MULTI-VIS HYDRAULIC OIL

AMALIE All-Climate Ashless Multi-Vis Hydraulic Oil 68 is a high viscosity index oil formulated for high-pressure mobile or stationary applications where a wide range of temperature operation is needed. Its ashless non-zinc formulation contains EP agents and chemical components to control wear, oxidation, sludge, corrosion, foaming, and to promote water separation. The product is specifically formulated to provide robust pump and filtration performance in excess of 8,000 hours, even in the presence of incidental water contamination. This oil provides protection to hydraulic systems employing vane, gear and other types of pumps that require anti-wear (boundary-type) protection.

Check owner's manual for specific ISO grade recommendations.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Kinematic Viscosity @100°C, cSt.....	11.3
Kinematic Viscosity @40°C, cSt.....	67.5
Viscosity Index.....	155
Flash Point, °C	210
Pour Point, °C	<-40
Sequence I Foam, mL/mL.....	30/0
Sequence II Foam, mL/mL.....	30/0
Sequence III Foam, mL/mL.....	30/0
FZG Scuffing, Fail Load Stage, A/8.3/90.....	>12
Oxidation Life, hrs. to TAN = 2.0, minimum.....	>8000

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-CLIMATE ASHLESS MULTI-VIS HYDRAULIC OIL

VISCOSITY	PACK SIZE	PART #
ISO 68	55 Gallon Drum	160-66743-05

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.

APPLICATION CHART

SPECIFICATION	ALL-CLIMATE ASHLESS 68
Cincinnati Lamb P-69	√
Parker Denison HF-0 HF-1 HF-2	√ √ √
DIN 51524 Part 1 HL Part 2 HLP Part 3 HVLP	√ √ √
Eaton 03-401-2010	√
GB 1118.1 L-HL L-HM L-HV	√ √ √
ISO 11158 HL HM L-HV	√ √ √
ASTM D6158 Class HVHP	√