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DATA SHEET

Commercial-Grade Hydraulic Oil



AMSOIL Commercial-Grade Hydraulic Oil is formulated to protect industrial and mobile hydraulic applications used in tough job-site conditions. It resists oxidation, fights corrosion and inhibits foam to help maintain component cleanliness, promote efficient operation and provide good oil life. AMSOIL Commercial-Grade Hydraulic Oil delivers an optimal mix of price and protection for equipment that typically requires high volumes of hydraulic oil.

Product Benefits

- **Provides** strong wear protection to help maximize pump and motor life and reduce maintenance
- **Resists** corrosion for long component life
- **Fights** sludge to help maintain the cleanliness and operability of pumps, valves, solenoids and other components
- **Provides** good filterability for maximum fluid performance and life
- **Resists** foam to guard against cavitation and promote efficient operation

Resists Wear

AMSOIL Commercial-Grade Hydraulic Oil is formulated with quality base oils and anti-wear additives to protect pumps, motors, valves and other components against wear. It helps hydraulic systems operate properly and last as designed, reducing maintenance.

Helps Prevent Foam

AMSOIL Commercial-Grade Hydraulic Oil is formulated with anti-foam agents that help prevent foam. As a result, it reduces sponginess, provides maximum efficiency and helps prevent cavitation that can damage pumps.

Applications

Use AMSOIL Commercial-Grade Hydraulic Oil in high- and low-pressure gear, vane and piston stationary and mobile hydraulic systems, including those with bronze metallurgy, that require any of the specifications listed below.

SPECIFICATIONS	ISO 32	ISO 46	ISO 68
AIST (U.S. Steel) 126	✓	✓	✓
ASTM D6158 (HM HP)	✓	✓	✓
Bosch Rexroth RD/E 90235	✓	✓	✓
DIN ISO 51524 II	✓	✓	✓
Eaton E-FDGN-TB002-E	✓	✓	✓
Eaton Brochure 03-401-2010	✓	✓	✓
Fives Cincinnati P-68	✓		
Fives Cincinnati P-69			✓
Fives Cincinnati P-70		✓	
GM LS-2	✓	✓	✓
ISO 11158 (HL HM)	✓	✓	✓
Parker HF-0	✓	✓	✓
Parker HF-1, HF-2	✓	✓	✓

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TYPICAL TECHNICAL PROPERTIES

AMSOIL Commercial-Grade Hydraulic Oil

Stock Code	HCG32	HCG46	HCG68
ISO Viscosity Grade (ASTM D2422)	32	46	68
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	5.7	7.0	9.0
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	33.8	46.4	68.3
Viscosity Index (ASTM D2270)	110	106	106
Flash Point °C (°F) (COC) (ASTM D92)	228 (442)	246 (475)	264 (507)
Pour Point °C (°F) (ASTM D97)	-36 (-33)	-33 (-27)	-33 (-27)
Four-Ball Wear Test, mm (ASTM D4172)			
(75°C, 1200 rpm, 40 kg, 1hr)	0.55	0.56	0.50
Copper Strip Corrosion Test, 100°C, 3 hr (ASTM D130)	1A	1A	1A
Foam Characteristics, ml (ASTM D892)			
Seq. I	0/0	0/0	0/0
Seq. II	0/0	0/0	0/0
Seq. III	0/0	0/0	0/0
Demulsibility, Min. (ASTM D1401)	40-40-0 (15)	40-40-0 (20)	40-40-0 (20)
FZG A/8.3/90, Load Stage Fail	12	12	12

PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit AMSOIL.com/warranty.aspx.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available online at AMSOIL.com or upon request at (715) 392-7101. **Keep Out of Reach of Children**.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

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