

DESCRIPTION

MD Oils Hydraulic Oil AW-37 is a premium high-performance anti-wear hydraulic fluid formulated with high-quality base oils and advanced additive technology. It is designed for use in high-pressure hydraulic systems operating under moderate to severe service conditions in industrial and mobile equipment applications.

APPLICATIONS

MD Oils Hydraulic Oil AW-37 is suitable for use in a wide range of industrial and mobile hydraulic applications. It is recommended for high-speed and high-pressure hydraulic systems operating in colder environments or applications requiring rapid hydraulic response, including precision machine tools, servo valves, lightly loaded presses, high-speed spindles, and industrial hydraulic equipment operating under moderate service conditions.

Performance Features and Benefits

- Excellent wear protection for hydraulic pumps and precision components.
- Reliable oxidation and thermal stability under demanding operating conditions.
- Fast hydraulic response and efficient power transmission at moderate temperatures.
- Outstanding anti-foam and rapid air release properties.

- Excellent rust and corrosion protection
- Excellent water separation characteristics for improved system reliability.
- Helps reduce equipment wear, maintenance costs, and operational downtime.

Recommendations / Specifications

- Meets or exceeds the requirements of:
- DIN 51524-2 (HM); DIN 51524-3 (HV); ISO 11158 (HM, HV); ASTM D6158 (HM, HV); GB 11118.1-2011 (L-HL, L-HM, L-HV, L-HS); SAE MS 1004
- Bosch Rexroth RDE 90235; Parker (formerly Denison) HF-0, HF-1, HF-2 (HM, HV); Eaton E-FDGN-TB002-E; Fives P68, P69, P70 (HM, HV)
- AIST 126, 127; SEB 181222; GM LS-2
- JCMAS P041 HK Hydraulic specification

Typical Characteristics

Properties	Unit	Test Method	Typical Values
ISO Viscosity Grade	-	ISO 3448	37
Appearance	-	Visual	Bright & Clear
Density @ 15°C	g/cm ³	ASTM D4052	0.881
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D445	37.44
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D445	6.02
Viscosity Index	-	ASTM D2270	104
Flash Point (COC)	°C	ASTM D92	221
Pour Point	°C	ASTM D97	-30
Demulsibility @ 54 °C	min	ASTM D1401	40-40-0 (11min)
Foaming Characteristics Sequence I	mL	ASTM D892	0/0
Copper strip corrosion, 3 hrs @ 100°C	-	ASTM D130	1B
Rust protection (Procedure B)	-	ASTM D665	PASS

- **Note:** The typical characteristics shown in this document are representative of current production. While future production will conform to MD Oils specifications, variations in these characteristics may occur within normal manufacturing tolerances.
- **Health & Safety:** Based on available information, this product is not expected to cause adverse health effects when used for its intended application and in accordance with the recommendations provided in the Safety Data Sheet (SDS). SDS are available on request through your local sales office or via our website.
- This product should not be used for applications other than its intended purpose. When disposing of used product, take care to protect the environment and comply with local regulations.

