



Q7 Oil Hydroforce AW 46: Technical Data Sheet Product

Description:

Q7 Oil Hydroforce AW 46 is a high-performance hydraulic oil formulated with refined base oils and a balanced zinc-based additive system. It provides excellent protection against oxidation, rust, and wear, ensuring long component life in pumps and motors.

Physical & Chemical Properties

Property	Test Method	Typical Value
ISO Viscosity Grade	ISO 3448	46
Density @ 15°C	ASTM D4052	0.872 – 0.878 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D445	46.0 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D445	6.8 – 7.1 mm ² /s
Viscosity Index	ASTM D2270	100 – 105
Flash Point (COC)	ASTM D92	> 220°C
Pour Point	ASTM D97	-24°C to -30°C
Demulsibility @ 54°C	ASTM D1401	Pass (Fast Separation)

Performance Specifications

Q7 Hydroforce AW 46 typically meets or exceeds the following international standards:

- DIN: 51524 Part 2 (HLP)
- ISO: 11158 (HM)
- AFNOR: NF E 48-603 (HM)
- Eaton Vickers: M-2950-S, I-286-S
- Denison: HF-0, HF-1, HF-2
- Cincinnati Machine: P-70