



Hydraulic Oil 68

Technical Data Sheet (TDS)

Product Description

Hydraulic Oil 68 is a premium quality anti-wear hydraulic fluid produced from carefully selected base oils and high-performance additives. It is specially designed for hydraulic systems operating under heavy loads, high pressure, and demanding industrial environments. The formulation provides excellent protection against wear, oxidation, corrosion, and foam formation while ensuring stable hydraulic performance over extended service intervals.

Typical Technical Characteristics

Property	Test Method	Typical Value
ISO Viscosity Grade	ISO 3448	VG 68
Density @ 15°C	ASTM D4052	0.881 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D445	68.5 cSt
Kinematic Viscosity @ 100°C	ASTM D445	8.72 cSt
Viscosity Index	ASTM D2270	104
Flash Point (COC)	ASTM D92	236°C
Pour Point	ASTM D97	-18°C
Copper Strip Corrosion (3h @100°C)	ASTM D130	1a
Total Acid Number (TAN)	ASTM D664	0.56 mg KOH/g
Sulphated Ash	ASTM D874	0.13 wt%
Zinc Content	ASTM D5185	0.10 wt%
Demulsibility @ 54°C	ASTM D1401	40/40/0 (15 min)
Foam Sequence I	ASTM D892	15/0 ml
Foam Sequence II	ASTM D892	30/0 ml
Foam Sequence III	ASTM D892	15/0 ml
Air Release @ 50°C	ASTM D3427	6 min
Four Ball Wear Scar	ASTM D4172	0.40 mm
FZG Load Stage	DIN 51354	Pass 12
Oxidation Stability	ASTM D943	>3500 hrs
Rust Prevention A/B	ASTM D665	Pass
Water Content	ASTM D6304	<200 ppm
Cleanliness Level	ISO 4406	18/16/13



Performance Specifications

Specification	Performance
DIN 51524 Part II (HLP)	Approved
ISO 11158 HM	Approved
ASTM D6158 HM	Approved
Eaton Vickers M-2950-S	Approved
Denison HF-0 / HF-1 / HF-2	Approved
Cincinnati Milacron P-69	Approved

Recommended Applications

Equipment / System	Recommendation
Industrial Hydraulic Units	Recommended
Hydraulic Press Systems	Recommended
Construction Machinery	Recommended
Mining Equipment	Recommended
Injection Molding Machines	Recommended
Heavy Duty Mobile Hydraulics	Recommended

Packaging

Packaging Type	Size
Metal Pail	20L
Steel Drum	208L
IBC Tank	1000L
Bulk Supply	Available

