



HYDRAULIC OILS 32, 46, 68, 100, 150, 220

DESCRIPTION

These Hydraulic Oils are a range of quality anti-wear virgin oil based hydraulic fluids designed for use in mobile and stationary high pressure hydraulic systems. With excellent anti-foaming properties they also have specially formulated lubricating and anti-wear additives that combine the properties of lubricating and hydraulic oils into a single product.

APPLICATION

- Industrial hydraulic systems
- hydraulic couplings
- Industrial torque converters
- Compressors
- Hydraulics on construction and mobile equipment
- Industrial circulating systems
- Hydraulic systems that have gear, vane or piston pumps
- Machine tools
- Plastic injection moulding equipment

PERFORMANCE

Meets or exceeds:

- DIN 51524 PART 2, (JSO 32, 46, 68)
- ISO STANDARD 6743 PART 4, TYPE HR
- AAMA STANDARD 524 PART 2 (ISO 32, 46, 68)
- US STEEL 126 AND 127
- VICKERS M-2952-S, 1-286-S (INDUSTRIAL APPLICATIONS), M-2950-S (MOBILE APPLICATION)
ISO 32, 46, 68
- DENISON HYDRAULICS HF-O (ISO 32, 46, 68)
- ASTM D 6158 TYPE HM AND HV
- GM LS2
- EATON BROCHURE 694 FOR 35VQ25

ADVANTAGES

- The special anti-wear additive package reduces wear by protecting surfaces when load causes breakdown of the lubricant film.
- Good hydraulic stability and water separation characteristics provide excellent filterability in the presence of water contamination.
- Good anti-foam and air release properties ensure smooth operation and system efficiency.
- The rust and oxidation inhibitor system prevents abrasive particles of rust forming which can damage equipment.
- High oxidation stability resists oil thickening therefore eliminating unnecessary changing of hydraulic fluid.

TYPICAL PHYSICAL CHARACTERISTICS

Property	Unit	32	46	68	100	150	Method
ISO Grade		32	46	68	100	150	
Viscosity @ 40°C	cSt	32	46	68	100	150	ISO 3104
Air Release@ 50°C	Min's	7	10	12	22	30	ISO 9120
Viscosity Index (Min)	VI	90	90	90	90	90	ISO2909
Flash Point (Min)	°C	175	185	195	205	215	ISO2592
Pour Point (Max)	°C	-18	-15	-12	-12	-12	ISO3016
FZG Pass Load Stage (Min)		10	10	10	10	10	ISO14635-1

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