

LAUGFS HYDREX SERIES

Premium Anti-wear Hydraulic fluids (Industrial)
32, 46, 68, 100,150



PRODUCT DESCRIPTION

LAUGFS HYDREX Series, are high performance **anti-wear hydraulic fluids** blended with highly refined base oils and additives, designed for all types of hydraulic equipment, including modern hydraulic high pressure pumps and systems. It meets or exceeds the performance requirements of all major main stream hydraulic equipment manufacturers and industry organization specifications. **HYDREX** has the capability to provide performance reserve, leading to a problem free life of both equipment and fluid.

USER BENEFITS AND PRODUCT FEATURES

1. Extends drain intervals by prolonging fluid life
2. Improves equipment reliability by protecting critical parts
3. Performs in demanding conditions where water is present
4. Excellent hydraulic system efficiency
5. Advanced anti-wear property results in longer equipment life, Thermo-oxidative properties control the formation of sludge, varnish and improves oil life
6. Advanced rust & corrosion inhibitors protect metal components even in the presence of moisture excellent air separation properties prevent aeration and cavitation damage

PRODUCT APPLICATIONS

- All types of Industrial hydraulic systems operating under moderate to severe conditions in stationary, mobile and industrial service.
- Mobile hydraulic -fluid power transmission system and general machine lubrication (Where water separating fluid is required)
- Hydraulic systems with vane, gear or piston pumps
- Plastic injection molding machines
- Industrial circulating systems

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PRODUCT RECOMMENDATIONS AND APPROVALS

OEM Claim	HM HF0,HF1,HF2 Denison-Parker (HD32,46 & 68)
Technology meets	• Bosch Rexroth RDE 90235 & RDE 90245. • Eaton Vickers I-286 -S3 (Industrial equipment) • Eaton E-FDGN-TB002-E • Cincinnati Machine P68, P69, P70 (HM, HV) • DIN 51524-2 (HM); DIN 51524-3 (HV) • ISO 11158 (HM, HV) • ASTM D6158 (HM, HV) • SAE MS 1004 (HM, HV) • JCMAS P041 HK Hydraulic specification • GM LS-2, • AIST 126, 127 (US Steel)

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Test data				
Viscosity Grade	-	HD 32	HD 46	HD 68	HD 100	HD 150
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
ASTM Color	ASTM D1500	< 0.5	< 0.5	< 0.5	1.0-1.5	1.0-1.5
Density @ 30 °C, g/mL	ASTM D4052	0.84	0.85	0.85	0.86	0.86
Kinematic Viscosity @ 40 °C, cSt	ASTM D445	32.10	46.20	68.20	102.50	150.20
Kinematic Viscosity @ 100 °C, cSt	ASTM D445	5.57	7.10	9.20	11.68	15.20

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Viscosity Index	ASTM D2270	110	110	110	101	100
Flash Point (COC), °C	ASTM D92	220	230	240	245	245
Pour point , °C	ASTM D97	-33	< -27	< -27	-18	-15
Total Acid Number, mg. KOH/ g	ASTM D664	0.30	0.30	0.30	0.30	0.30
FZG Load stage	ASTM D 5182	12	12	12	12	12
Air release at 50 °C, minutes	ASTM D 3427	2.0	4.4	5.4	10	10
Oxidation Stability (TOST)	ASTM D 943	>5000	>4500	>4500	>1500	>1500

*This is a technical Specification for LAUGFS Product according to the current additive package. It may have minor deviations on basis of supply.

ENVIRONMENT, HEALTH and SAFETY, is available in the material safety data sheet (MSDS) of the product. Customers are encouraged to review the information, follow precautions and comply with laws and regulations concerning product use and disposal.



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