LUBENZ HOXX HI HYDRAULIC OIL HVI series

High Viscosity Index Anti-wear Hydraulic fluids

Product Data Sheet

Product Description

LUBENZ HOXX HI HYDRAULIC OIL HVI range of lubricants are high viscosity index anti-wear hydraulic fluids formulated with high quality HVI base stocks and advanced anti-wear additive technology. They are designed to work efficiently in hydraulic & fluid power transmission systems, subjected to wide temperature ranges operating under severe conditions. These oils are available in ISO viscosity grades from 15 to 150.

Features & Benefits

- Very high viscosity index and excellent shear stability, ensures long pump life under extreme conditions.
- Outstanding thermal & oxidation stability helps in extending life of oil and filter.
- Outstanding demulsibility aids in rapid water separation and provides excellent hydrolytic stability.
- Excellent anti-wear property of oil provides maximum equipment life, under severe duty & high loads.
- Excellent protection from rust and corrosion of multi-metallurgy system components.
- Good anti-foam and air release characteristics, designed by using silicon free additive components.

Specifications

LUBENZ HOXX HI HYDRAULIC OIL HVI series meets or exceeds following International and Builder specifications:

- DIN 51524 Part 3 HVLP type
- Denison HF-0, HF-2 (T6H20C)
- Cincinnati Machine P68, P69, P70
- ISO 6743/4 HV
- VICKERS M-2950S, -I-286
- VICKERS 35VQ25, 104C

Application

These HVI oils are designed for use in Hydraulic applications subjected to wide temperature variations.

- Suitable for use in hydraulics of Marine, Industrial & Earth moving; where temperatures vary seasonally.
- Applications where HVI anti-wear lubricant is required: servicing gears & bearings, air compressors etc.,

Typical Characteristics

LUBENZ HOXX HI HYDRAULIC OIL HVI	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 ^{0}C	ASTM D 445	cSt	3.99	5.12	6.46	8.41	11.27	13.21	16.85
Viscosity Index	ASTM D 2270	-	161	160	156	156	156	128	120
Pour Point	ASTM D 97	°C	-39	-39	-36	-36	-36	-33	-33
Flash Point (COC)	ASTM D 92	°C	174	204	224	230	234	246	252
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A	1A	1A	1A	1A
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	15	20	20	25	30
TAN, mg KOH/g	ASTM D 2896	-	0.6	0.6	0.6	0.6	0.6	0.6	0.6

The above figures are typical of blends with normal production tolerance and do not constitute a specification.