



HYDRAN HVI

(Premium Multivis Hydraulic Fluid)

HYDRAN HVI Oil is designed for the most demanding hydraulic systems. It is formulated from selected paraffinic base oils and special additives to provide outstanding performance under varied conditions.

HYDRAN HVI Oil allows users to operate in a wide range of temperatures due to its extremely high viscosity index, thus hydraulic systems start easily at low temperatures without cavitation.

Additionally, **HYDRAN HVI Oil** retains its viscosity at high temperatures reducing pump and component wear. This makes **HYDRAN HVI Oil** ideal for mobile equipment subjected to wide temperature variance.

In addition, **HYDRAN HVI Oil** contains a potent anti-wear additive system to further protect expensive hydraulic system components.

HYDRAN HVI Oil also contains other selected additives to further enhance its performance such as rust preventives, defoamant and oxidation inhibitors. The result is a long-life fluid that provides maximum component protection and versatility.

BENEFITS:

- WIDE OPERATING TEMPERATURE RANGE
- PROTECTS AGAINST WEAR
- RESISTS OXIDATION FOR LONG LIFE
- VERSATILE
- PREVENTS CAVITATION AT COLD STARTUP

APPLICATIONS:

HYDRAN HVI Oil is recommended for a wide range of hydraulic systems utilizing all types of pumps. It is especially suited for systems that encounter temperature extremes such as mobile equipment.

HYDRAN HVI Oil can be used in many types of hydraulic systems including: construction, logging, farming, aerial work platforms, man-lifts, cranes, excavators, and stationary hydraulic systems.



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TYPICAL CHARACTERISTICS

ISO Viscosity Grade	15	22	32	46	68	100
Product Code	15253	15254	15255	15256	15257	15258
API Gravity (ASTM D-1298)	35.7	34	32.5	31.3	30.8	30.0
Viscosity (ASTM D-445):						
cSt @ 40°C	16	22	33	44	68	100
cSt @ 100°C	3.8	4.8	6.7	7.6	11.1	13.8
SUS @ 100°F	82	114	167	225	347	514
SUS @ 210°F	38	42.4	48	51	64	75
Viscosity Index (ASTM D-2270)	130	145	165	141	155	140
Dielectric strength, KV (min)*	25	25	25	25	25	25
Pour Point (ASTM D-97)						
°F	-40	-40	-40	-35	-35	-15
(°C)	(-40)	(-40)	(-40)	(-37)	(-37)	(-26)
Flash Point (ASTM D-92)						
°F	360	380	400	400	400	400
(°C)	(183)	(193)	(204)	(204)	(204)	(204)

* Dielectric strength is "as manufactured". Fluid dielectric strength is dependent on the fluid being BOTH clean and dry. The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.
4/15/04