

UNITED HYDRO VESTA HYDRAULIC OIL H

United Hydro Vesta Hydraulic Oil H is a low zinc antiwear hydraulic oil meeting Denison HF-0 requirements. It is produced from highly refined hydro-treated base oil and hydraulic oil additive packages. These products are designed for hydraulic systems with higher make up rates or those, which operate at moderate temperatures.

The additives found in United Hydro Vesta Hydraulic Oil H enhance the anti-wear characteristics of the fluid. They also inhibit foam from forming in the oil and offer a moderate level of protection against rust and corrosion in the event of water contamination.

United Hydro Vesta Hydraulic Oil H is suitable for applications used in equipment located in underground mines, industrial hygiene units and other hydraulic systems.

APPLICATIONS / BENEFITS

Prevents wear.
Protects against rust and corrosion
Resists foaming.
Economical.

TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS				
SAE Viscosity Grade	SAE J300	10W		10		
ISO Viscosity Grade			10	15	22	32
Specific Gravity @ 15 °C	ASTM D 4052	0.871	0.840	0.845	0.866	0.865
Flash Point, °C	ASTM D 92	210	170	172	198	210
Pour Point, °C	ASTM D 97	-21	-39	-39	-36	-33
Kinematic Viscosity @40°C (cSt)	ASTM D 445	35.4	10.5	15.3	22.4	31.5
@100°C (cSt)	ASTM D 445	5.87	2.80	3.42	4.38	5.4
Viscosity Index	ASTM D 2270	108	111	105	103	105
Color	ASTM D 1500	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

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TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS				
ISO Viscosity Grade		46	68	100	150	220
Specific Gravity @ 15 °C	ASTM D 4052	0.870	0.872	0.878	0.889	0.898
Flash Point, °C	ASTM D 92	220	222	228	232	245
Pour Point, °C	ASTM D 97	-30	-27	-21	-15	-12
Kinematic Viscosity @40°C (cSt)	ASTM D 445	46.4	68.5	97.5	150	222
@100°C (cSt)	ASTM D 445	6.85	8.78	11.3	14.7	18.9
Viscosity Index	ASTM D 2270	102	100	98	97	96
Color	ASTM D 1500	< 0.5	< 0.5	< 0.5	<1.5	<2.0

MEETS THE REQUIREMENTS OF

- Denison HF-0
- Denison HF-1
- Denison HF-2
- Denison T-6H20C Hybird Pump
- DIN 51524 Part I (HL) & II (HLP)
- DIN 51589 Part I at 6 min level (ISO 46)
- Vickers M-2950-S
- Vickers Vane Pump test (DIN 51589) Part II at 4.4 mg level(H46)
- Vickers 35VQ25A(H46)
- AFNOR NF E 48-603 (HL)
- Cincinnati Machine P-68
- Cincinnati Machine P-69
- Cincinnati Machine P-70
- US steel 127 & 136
- FZG A/8.3/90 Load test (DIN 51354) at 12th Stage level

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