United Oil
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UNITED HYDRO VESTA HYDRAULIC OIL HT- 4

Product Data Sheet

Product Description:

United Hydro Vesta Hydraulic Oil HT- 4 is the Transmission & Drive Train oil (TDTO). It was specially designed for hydraulic and hydrostatic systems. The oils have passed the requirements for the Caterpillar TO-4 oil specification that may not only include the frictional requirements, but also gear wear requirements.

United Hydro Vesta Hydraulic Oil HT- 4 oils offer maximum protection against mechanical wear, rusting and corrosive wear in all hydraulic and hydrostatic transmission systems. The additives used provide excellent friction control, less brake noise and reduce gear wear. Hence the products can prolong the life of brakes, transmissions as well as hydraulic systems.

Applications / Benefits:

- Prevents wear.
- Friction control.
- Good oxidation stability.

Typical Characteristics:

Test Description	Method				
SAE Viscosity Grade	SAE J 300	**10W30**	**10W**	**30**	**50**
Specific Gravity @ 15 ºC	ASTM D 4052	0.879	0.873	0.883	0.890
Flash Point, ºC	ASTM D 92	214	212	236	260
Pour Point , ºC	ASTM D 97	-30	-30	-15	-12
Kinematic Viscosity, cSt @ 40ºC	ASTM D 445	71.5	35.9	99.4	184
cSt @ 100ºC	ASTM D 445	10.8	5.88	11.3	17.8
Viscosity Index	ASTM D 2270	140	106	100	105
Color	ASTM D 1500	<2.0	<2.0	<2.0	<2.5

Specifications, Approvals & Recommendations:

- Allison C-4
- Caterpillar TO-4
- Dana Powershift
- Eaton Vickers 35VQ-25
- Eaton-Fuller
- Komatsu Dresser
- Komatsu KES 07.868.1
- Tremec/TTC
- ZF TE-ML 03C
- ZF TE-ML 07F

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