

UNITED HYDRO VESTA HYDRAULIC OIL HC

United Hydro Vesta Hydraulic Oil HC is specially designed for various hydraulic and hydrostatic systems as well as almost all tractors' transmission systems. The oils have passed the requirements for the Universal Tractor Transmission Oil (UTTO) specification that may not only include the frictional requirements, but also gear wear requirements.

United Hydro Vesta Hydraulic Oil HC also meets other transmission standards thus offer maximum protection against mechanical wear, rusting and corrosive wear in almost 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

- One oil meets all tractors' transmission and power brake requirement.
- Increased friction durability.
- Improved deposit control.
- Good oxidation stability.

TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS			
SAE Viscosity Grade	SAE J300	10W	20W	30	10W30
Specific Gravity @ 15 °C	ASTM D 4052	0.872	0.879	0.886	0.876
Flash Point, °C	ASTM D 92	218	225	234	218
Pour Point , °C	ASTM D 97	-30	-27	-15	-30
Kinematic Viscosity @40°C	ASTM D 445	32.2	58.2	102.6	63.2
@100°C	ASTM D 445	5.45	8.48	11.4	10.61
Viscosity Index	ASTM D 2270	104	118	97	158
Color	ASTM D 1500	<2.5	<2.5	2.5	<2.5

MEETS THE REQUIREMENTS OF

- Caterpillar TO-2
- Allison C-4 / C-3 / C-2
- Denison HF-0 / HF-1 / HF-2
- Denison UTTO
- API : GL-4
- ICH B-5 (International Harvester) / B-6 (HyTran)
- Versatile Gear & HTF 23M / 24M
- Renk Doromat 873 / 874A / 874B Bus ATF
- Fiat-Hesston AF-87
- Valtractores
- Steiger HTF (SEMS 17001)
- Deutz : HTF
- Deutz-Allis : 25743 / Chalmers Power Fluid PF-821 XL / 257541 & 246634 HTF
- Landini Tractor Hydraulic Fluid
- Massey Ferguson: M1145 / M1143 / M1141 / M1138 / M1135 Permatran III
- Massey Ferguson: M1110 / M1127A / M1129B / M1129A Permatran / M1139
- Minneapolis-Moline/White Q-1826 / 1705 / 1722 / 1766B (UTHF) / 1802
- Oliver Type 55 / Type 5J
- New Idea Q1802
- Sperry Vickers / Eaton : 1-280-S & M2950S
- Japanese Construction Mechanization Association HK P-041 / P-042
- Kubota UDT Fluid & Super UDT
- Komatsu
- Volvo - VCE 1273.03 and WB101
- ZF Transmissions TE-ML-03E / TE-ML-05F,
- Sauer Sunstrand / Danfoss Hydro Static Trans Fluid
- Case New Holland MAT 3505 / 3525 / 3526
- Ford New Holland A-2-C-200 / A-2-C-201
- John Deere J20C / J20D / J14A / J14B / J14C / JTD303 / J20A / J20B HyGard / J121A
- International Farmall JIC 143~145 / JIC 185
- JI Case MS - 1204~1206 (PowerGard PFT) / 1207 (HyTran Plus) / 1208 & 1209 (HyTran Ultra) / 1210 / 1216 / 1230 / 1317 / 143~5 (TCH Fluid) / 185 (TFD Fluid)
- ESN M2C 86B / 134A / 134B / 134C / 134D / 77A / 86A / 86C / 41B / 43 / 48B / 48C / 53A / 53B / 142A / 143 / 92A / 159A / 159B / 159C