

# QWIKLIFT® HTB™

## Universal Tractor Hydraulic, Transmission and Wet Brake Fluid

### General Description

**Qwiklift HTB** is a multi-functional universal tractor hydraulic fluid formulated specifically for agriculture and construction equipment using a common sump. It is designed to lubricate transmissions, differentials, final drives, wet brakes, hydraulic systems, hydrostatics, PTO's and power steering components.

**Qwiklift HTB** is specially formulated with high viscosity index Group II base oils and a field proven state-of-the-art additive system which provides unparalleled wear protection for heavily loaded gears, clutches, and hydraulic pumps. The formulation has good shear stability, exceptional resistance to high temperature oxidation and thermal stress to reduce deposits and extend component life.

**Qwiklift HTB** has a balance of frictional properties that minimizes the annoyance and damage caused by wet brake chatter and wear while maximizing brake and clutch capacity providing smooth operation and long life.

**Qwiklift HTB** is designed to provide superior transmission and hydraulic performance over a wide temperature range while protecting against corrosion of yellow metals, rust, and foaming.

**Qwiklift HTB** is the higher viscosity product which makes it the ideal fluid to use under most conditions.

**Qwiklift HTB Low Vis** is recommended when extremely cold temperature start-up and operation is essential and for use in certain types of hydrostatic drives calling for a low viscosity fluid.

### Features and Benefits

**Wear Protection:** Contains superior anti-wear additives developed in the laboratory and proven over many years of field experience. They protect gears, pumps and other moving parts from wear due to high loads resulting in extended equipment life.

**Enhanced Friction Control:** Outstanding frictional properties provide smooth clutch engagements under heavy loads while improved brake chatter control results in smooth stopping, less noise and vibration during operation which translates to improved productivity

**Oxidation Control:** Superior oxidation and thermal stability reduces oil degradation while keeping the system free from sludge, varnish, and acids providing longer oil and component life.

**Oil Durability:** Operates effectively over a long period of time in a wide variety of equipment, duty cycles, temperatures, and field conditions. It prolongs the life of clutch materials, elastomers, and seals while reducing leakage and maintenance costs.

**Compatibility:** Exceptional filterability and compatibility with equipment manufactures proprietary fluids and other fluids of this type.

**Expect superior performance in:**

Off-highway, agriculture and construction equipment calling for a HTB type fluid in common sumps.

**Do not use Qwiklift HTB in differentials and axles that use hypoid gears and call for GL-5 level of EP protection.**

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### Total Protection Plan™ Warranty

Qwiklift HTB fluids are backed by the Total Protection Plan warranty for up to 9 years/9,000 hours (10 years/10,000 hours when used in combination with Ruby Fieldmaster diesel fuel) on agricultural equipment. See the warranty program for complete details.

Qwiklift HTB is recommended for the following:

**AGCO:** Power Fluid 821, 821XL

**Allison:** C-3 or C-4 (Allison no longer recommends Tractor Hydraulic Fluids in their transmissions)

**Case-IH:** Hy-Tran®, Hy-Tran® Plus, Hy-Tran® Ultra, MS-1206, MS-1207, MS-1209, MS-1210, MAT-3505, JIC 144/145, Powergard PTF

**Caterpillar:** MTO, TO-2 (obsolete)

**Deutz/Allis:** Power Fluid 821

**Ford New Holland:** M2C-134A/B/C/D, M2C-41B, M2C-53A/B, M2C-86B, MAT-3525

**Hesston/Fiat:** Oliofiat Tutela Multi-F

**John Deere:** Hy-Gard; J20A/C, JD 303, J14B/C

**Kubota:** Kubota Transdraulic Fluid, UDT Fluid

**Massey Ferguson:** Permatran III, MF-1127A/B, MF-1129A, M-1145

**Steiger:** Hydraulic/Transmission Fluid 17001

**Landini:** Tractor II Hyd Fluid

**Versatile:** HyGear Fluid, Specification 23

**White/Oliver/MM:** AG ONE Universal Fluid, Universal Fluid, Type 55, Q-1826 HTF

**ZF:** TE-ML 03E, 06D, 06E

### Qwiklift HTB Low Vis is recommended for the following:

**John Deere:** J20B/D, J21A

**Versatile:** HyGear Fluid, Specification 24M

Check appropriate Farm Tractor Lubrication Guide for complete lubricant recommendations.

### Typical Specifications

	Qwiklift HTB	Qwiklift HTB Low Vis
SAE Grade approx	10W-30	5W-20
API Gravity	29.5	29.3
Flash Point, °C (°F)	225 (437)	176 (350)
Pour Point, °C (°F)	-42 (-44)	-47 (-52)
Viscosity cSt (SUS) @ 100°C cSt (SUS) @ 40°C	9.4 (59) 62.0 (300)	7.2 (49) 34.0 (161)
Viscosity Index	142	178
Brookfield Viscosity cP @ -20°C cP @ -35°C cP @ -40°C	4,500 45,000	1,300 16,000
Color	Green	Blue

The typical properties listed reflect the general characteristics of the product and are not manufacturing specification. Slight variations which do not affect product performance can be expected in manufacturing. Typical values subject to change without notification.

### Health & Safety:

A complete Material Safety Data Sheet is available upon request. Used oil contains by-products which may be harmful. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute - return used oil to a collection center.