

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 some construction equipment. It is designed to lubricate transmissions, differentials, final drives, wet brakes, hydraulic systems, hydrostatics, PTO's and power steering components that call for this type of fluid.

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 outstanding shear stability, exceptional resistance to high temperature oxidation and thermal stress to reduce deposits and extend component life.

Qwiklift HTB has the optimum balance of frictional properties that minimizes the annoyance and damage caused by wet brake chatter. It maximizes 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 or for use in certain types of hydrostatic drives calling for a low viscosity fluid.

Features and Benefits

- **Wear Protection:** Contains anti-wear additives developed in the laboratory and proven OEM tests and over many years of field experience. They protect gears, pumps and other moving parts from wear 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 OEM proprietary fluids and competitive THF fluids.
- **Expect superior performance in:** Agriculture, off-highway and construction equipment calling for a J20-C, THF or UTTO fluid.

Qwiklift HTB has API GL-4 gear performance. Do not use in differentials and axles that call for API GL-5 gear performance.

Check the Farm Tractor Lubrication Guide for recommendations and the Cenex THF cross-over guide for OEM and competitive products.

Qwiklift® HTB

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Qwiklift® HTB Formal Approvals:

Volvo for WB-101

Massy Ferguson/GIMA for CMS M-1145

Ford for M2C-134D, AGCO 821XL

Z-F transmissions/axles specifications:

TE-ML 03E, 05F, 06K, 17E, 21F

Factory fill approved: AGCO (Cat Challengers, AGCO Challengers, Massy Ferguson, New RoGators, TerraGators, and Air Coups. CVT, see Fendt on the right.

CHS Lubricants recommends that Cenex® Qwiklift® HTB Lox Vis is suitable for use in the following applications:

John Deere: J20D/B, J21A

Versatile: Hy-Gear Fluid, Specification 24M

CHS Lubricants recommends that Cenex® Qwiklift® HTB is suitable for use in the following applications:

AGCO: Power Fluid 821XL, 821

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

Caterpillar: MTO

Deutz/Allis: Power Fluid 821

Fendt CVT: 1000 hour drain (shortened interval)

Ford New Holland: Mastertran Ultraction (MAT 3540), M2C-134 D/C/B/A, MAT- 3525, M2C-41B, M2C-53A/B, M2C-86B

Hesston/Fiat: Oliofiat Tutela Multi-F

John Deere: Hy-Gard; J20C/A, JD 303, J14C/B

Kubota: Kubota UDT Fluid, Transdraulic Fluid

Massey Ferguson: M-1145, 1143 Permatran III, MF-1127A/B, MF-1129A,

Steiger: Hydraulic/Transmission Fluid 17001

Landini: Tractor II Hyd Fluid

Versatile: HyGear Fluid, Specification 23

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

Zetor: OT-H, GL-4

Typical Properties

Physical Tests	Qwiklift HTB	Qwiklift HTB Low Vis
SAE Grade (approx.)	10W-30	5W-20
API Gravity / lbs. gal	29.5 / 7.32	31.1 / 7.25
Flash Point, °C (°F)	220 (428)	176 (350)
Pour Point, °C (°F)	-45 (-49)	-51 (-60)
Viscosity, cSt @ 100°C	9.5	7.2
Viscosity, cSt @ 40°C	61	34
Viscosity Index	140	183
Brookfield Viscosity cP @ -20°C	4,500	1,300
Brookfield Viscosity cP@ -35°C	55,000	
Brookfield Viscosity cP@ -40°C		18,000
Foam D-892	Pass	Pass
DKA Oxidation Test	Pass	Pass
Seal Compatibility	Pass	Pass
OEM Shear Stability	Pass	Pass
API Gear Performance	GL-4	GL-4
Color	Green	Blue

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit www.cenex.com.