

HY-TORQUE® Hydrosynthetic® Universal Power Transmission Fluid

Hy-Torque® protects common-sump Universal Transmission & Hydraulic Fluid (UTHF) systems in agriculture, construction, and industrial equipment with proven field performance under severe conditions.

TYPICAL APPLICATIONS INCLUDE:

Powershift Transmissions	Automatic Transmissions	Manual Transmissions	Differentials
Hydraulic Systems	Wet Brakes & Clutches	Final Drives	Speed Reducers
Earth Moving Equipment	High Speed Gearboxes	Forklifts	

Hy-Torque meets or exceeds the performance requirements of the following specifications:

AGCO Powerfluid 821XL	Allison C-4 (C4-13950590)	API GL-4	Caterpillar TO-2
CNH MAT3505	CNH MAT3525	CNH MAT3540	Fendt
FNHA-2-C-201.00	Ford ESN-M2C134-D	John Deere JDM J20C	Kubota UDT
Massey-Ferg CMS M1145	Massey-Ferg CMS M1143	Massey-Ferg CMS M1141	Massey-Ferg CMS M1135
Parker Denison UTTO/HF-0	VCE WB 101	ZF TE-ML 03E	ZF TE-ML 05F
ZF TE-ML 06E	ZF TE-ML 06F	ZF TE-ML 06K	ZF TE-ML 17E
ZF TE-ML 21F	Komatsu KES 07.866	Komatsu KES 07.841.1	

Hy-Torque is recommended for use in applications requiring the following specifications:

Caterpillar MTO	FNHA-2-C-200.00	John Deere JDM J20D	CNH MAT3526
Kubota Super UDT2			

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES
SAE Grade	SAE J300	5W-30
Density, kg/l @ 15.6°C	ASTM D1298	0.855
Density, lb/gal @ 60°F	ASTM D1298	7.12
Kinematic Viscosity, cSt @ 40°C	ASTM D445	56
Kinematic Viscosity, cSt @ 100°C	ASTM D445	10.1
Viscosity Index No.	ASTM D2270	170
20hr KRL Shear Viscosity, cSt @ 100°C	CEC L-45-A-99	9.3
Brookfield Viscosity, cP @ -20°C	ASTM D2983	3,700
CCS Viscosity, cP @ -30°C	ASTM D5293	6,000
Pour Point, °F (°C)	ASTM D97	-43.6 (-42)
Flash Point, °F (°C)	ASTM D92	420 (216)
Four-Ball EP Weld Point, kgf	ASTM D2783	200
Four-Ball Wear, Scar Diameter, mm	ASTM D4172	0.39
FZG Scuffing Wear, Failure Load Stage	ASTM D5182	13+
Copper Strip Corrosion, 150°C, 3 hr	ASTM D130	1a
Rust Test, Distilled Water	ASTM D665A	Pass
Rust Test, Syn. Sea Water	ASTM D665B	Pass
Rust Test, Humidity Cabinet	ASTM D1748	No Visible Rust
Color		Red

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

Hydrotex® is a manufacturer and distributor of high performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs and improve fuel efficiency. Our products and services leverage over 80 years of innovation resulting in superior lubrication solutions and high touch customer service.