

YOKOHAMA / T-RUCK 428

TECHNICAL DATA SHEET | TDS

UNIVERSAL TRACTOR TRANSMISSION OIL (UTTO)

PRODUCT DESCRIPTION

YOKOHAMA T-RUCK 428 is a multipurpose tractor transmission oil for agricultural and off-highway equipment with combined transmission, hydraulic and wet-brake systems. Its balanced friction response supports smooth brake and clutch operation, while anti-wear and oxidation-control properties help protect gears and hydraulic components. Corrosion and foam control contribute to reliable performance in shared-sump systems across changing operating conditions.

APPLICATIONS

For agricultural tractors and off-highway equipment using UTTO in transmissions, drive axles, final drives, hydraulic circuits, wet brakes and related powertrain systems. Applications may include wet clutches and PTO drives where the specified fluid class is UTTO. Performance levels and equipment applications are listed below.

PERFORMANCE SPECIFICATIONS

API GL-4
VOLVO WB-101
ZF TE-ML 03E / 05F / 06K / 17E / 21F
MASSEY FERGUSON CMS M1135 / M1141 / M1143 / M1145
AGCO Powerfluid 821 XL
ALLISON C-4
CNH MAT 3505 / 3525 / 3540
FORD ESEN-M2C86-B / ESN-M2C134-D
FORD / NEW HOLLAND
FNHA-2-C-201.00

CASE MS 1204 / 1205 / 1206 / 1207 / 1209
NEW HOLLAND WB NWH 410B
DENISON UTTO / THF
VALTRA G2-08
CLAAS / RENAULT AGRICULTURE M1145
JCB GEAR OIL HP
KUBOTA UDT
CATERPILLAR TO-2
EATON 35VQ - ASTM D6973
JOHN DEERE JDM J20C

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	56.67
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	9.50
Viscosity index	ASTM D2270	-	148
Density at 15°C	ISO 12185	kg/m ³	882.0
Flash point, COC	ISO 2592	°C	220
Pour point	-	°C	-40.5

Note: The values shown in this table are typical values and do not constitute product specifications. Minor variations may occur between production batches due to normal manufacturing tolerances.