

## Description

Universal contractor transmission oil

## Application

In off-highway/construction and agricultural equipment having separate engine lubricants  
as drive-line lubricant  
as oil-immersed brake/clutch fluid  
as hydraulic fluid  
as transmission lubricant

## Recommendations

Q8 T 2200 may be used as lubricant in off-highway/construction and agricultural equipment, when one or more of the following specifications are used to describe the required lubricant quality:

## Specifications

- API GL-4
- Case MS 1207 (Hy-Tran Plus, transmissions, hydraulics, wet brakes)
- Case MS 1209 (Hy-Tran Ultra, transmissions, hydraulics, wet brakes)
- Deutz-Allis AC Power Fluid 821 XL (transmissions, final drives, wet brakes, hydraulics)
- John Deere JDM J20C(transmissions, hydraulics, wet brakes)
- Ford WSN-M2C48-C2 (hydraulics for industrial tractors)
- Ford ESN-M2C134-D (transmissions, rear axles, wet brakes, hydraulics)
- New Holland NH 410B
- CNH MAT 3505
- CNH MAT 3525
- Komatsu Dresser B06-0002 (transmissions, hydraulics, wet brakes)
- Massey Ferguson CMS M 1135 (transmissions, hydraulics, wet brakes)
- Massey Ferguson CMS M 1141 (transmissions, hydraulics, wet brakes - highly loaded)
- Massey Ferguson CMS M 1143 (transmission and hydraulic oil)
- Massey Ferguson CMS M 1145 (transmission, hydraulics, wet brakes)
- Volvo 97302-10 (transmission with built in wet brakes)
- Volvo Transmission Oil 97303:017, WB 101
- White New Idea Q-1802 (hydraulics)
- White New Idea Q-1826 (transmissions)
- Allison C-4 (automatic transmissions)
- Caterpillar TO-2 (transmissions)
- ZF TE-ML 03E
- ZF TE-ML 05F
- ZF TE-ML 06K
- ZF TE-ML 17E
- FNHA-2-C-200.00

## Benefits

- Optimal frictional characteristics
- Reduces wet brake noise, thus maintains brake capacity while limiting friction plate wear
- Provides good transmission lubrication
- Protects equipment against rust
- Prevents equipment component corrosion
- Suitable for use as hydraulic fluid
- Contains effective anti-foam agent
- Compatible with conventional elastomers, thus avoiding leakage

To be able to offer our clients products with constantly better characteristics, Kuwait Petroleum reserves the right, without further notice, to modify the specifications of its products at all times.

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## Specifications

Specification	Method	Units	
Absolute Density, 15 °C	D 1298	kg/m <sup>3</sup>	883
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	55.7
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	9.85
Kinematic Viscosity, 100 °C, after shear test	DIN 51350-6	mm <sup>2</sup> /s	7.4
Viscosity Index	D 2270	-	164
Brookfield Viscosity, 0 °C	D 2983	mPa.s	520
Brookfield Viscosity, -10 °C	D 2983	mPa.s	1200
Brookfield Viscosity, -20 °C	D 2983	mPa.s	3500
Flash Point, P-M	D 93	°C	208
Pour Point	D 97	°C	-30
FZG Gear Test, A/8,3/90, Failure Loadstage	DIN 51354/2		11

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