Q8 TO-4 Fluid 50

Description
TO-4 Transmission and Drive Train Fluid

Application
- A lubricant intended for use in equipment where TO-4 fluids are prescribed.
- Primary use of these fluids is in power shift transmissions, final drives, hydrostatic transmissions, torque converters and hydraulics.
- The monograde TO-4 fluid can be used for transmission applications which also permit the use of heavy duty oils.

Recommendations
- TO-4 transmission and drive train fluids may be used as lubricant in off-highway/construction and agricultural equipment if one or more of the following specifications are used to describe the required lubricant quality.

Specifications
- Caterpillar TO-4
- Allison C-4
- ZF TE-ML 03C
- Komatsu Micro-Clutch
- Eaton /Fuller (certain manual transmissions, see operating manual)
- DANA (certain manual transmissions, see operating manual)

Benefits
- Optimal friction characteristics even at low temperatures
- Provides good wear protection also under heavy duty conditions
- Gear protection, even under shock load conditions
- Extends drive line component life
- Protects against rust and prevents corrosion
- Provides good transmission lubrication

Properties	Method	Unit	Typical
Viscosity Grade			SAE 50
Absolute Density, 15 °C	D 1298	kg/m³	899
Kinematic Viscosity, 40 °C	D 445	mm²/s	217.1
Kinematic Viscosity, 100 °C	D 445	mm²/s	19.0
Viscosity Index	D 2270	-	98
Brookfield Viscosity, -20 °C	D 2938	Pa.s	-
Brookfield Viscosity, 5 °C	D 2938	Pa.s	-
Flash Point, COC	D 92	°C	254
Pour Point	D 97	°C	-18

The figures above are not a specification. They are typical figures obtained within production tolerances.