

SPX DTO4

TO-4 FLUID FOR CONSTRUCTION, MINING, AND OTHER OFF-HIGHWAY EQUIPMENT

SPX DTO4 is formulated for use in hydraulic, transmission, and final drive applications of various off-highway equipment. SPX DTO4 meets Caterpillar TO-4 requirements which supersede the API CD/TO-2 specifications. It provides heavy duty protection and specialized friction performance for smooth consistent operation.

Advantages

- Excellent deposit control and wear protection
- Excellent oxidation stability
- Balanced friction performance
- Compatible with various seal and clutch materials
- High shear stability

Applications

- Hydraulic systems (SAE 10W), transmissions (SAE 30), and final drives (SAE 50) of Caterpillar, Komatsu, and other off-highway equipment

Specifications

SPX DTO4 is recommended for use where the equipment manufacturer specifies:

- Allison TES-439, for off-highway applications
- Allison C-4
- Caterpillar TO-4, TO-2
- Eaton Vickers M-2950-S

TYPICAL PROPERTIES

SAE Grade	10W	30	50
Specific Gravity @ 60°F	0.875	0.857	0.861
Density, lbs/gal @ 60°F	7.29	7.34	7.43
Color, ASTM D1500	2.5	3.0	4.0
Flash Point (COC), °C (°F)	213 (415)	233 (451)	242 (468)
Pour Point, °C (°F)	-39 (-38)	-33 (-27)	-28 (-18)
Viscosity, Brookfield			
cP @ -35°C	45,500	-	-
Viscosity			
cSt @ 40°C	43.0	96.0	227
cSt @ 100°C	6.6	11.1	19.1
Viscosity Index	105	101	95

Minor variations in typical properties data are to be expected in normal manufacturing.

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).

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Heavy Duty

