



Hicks Oils
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FORMULA 500

Caterpillar TO-4 Fluids

Formula 500® TO-4 Fluids are formulated to meet the Caterpillar TO-4 transmission specification. These fluids provide smooth power transfer in the extreme operating conditions of modern heavy duty equipment. TO-4 Fluids do not contain VI improvers or friction modifiers and are available in SAE 10W, 30, 50 and 60 monogrades. TO-4 Fluids meet Cat TO-2 specifications and the 10W and 30 grades can be used in Allison C-4 applications. Other manufacturers using a TO-4 type fluid are Eaton Powershift, Komatsu-Dresser, and Terex. Check manufacturer's recommendations before using.

TO-4 fluids **ARE NOT** for use in farm tractors requiring transmission hydraulic fluids. TO-4 Fluids meet the API Service classification CF, CF-2 so accidental use in engines will not cause damage but long term use in crankcases is not recommended.

Typical Properties:

Product	Formula 500 TO-4 Fluid			
	10W	30	50	60
SAE Viscosity Grade	10W	30	50	60
Product Code	1301	1303	1305	1306
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	6.5	11.0	19.0	23.0
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	44.0	104.0	250.0	283.0
Viscosity Index (ASTM D-2270)	105	105	100	100
Total Base Number (ASTM D-2896)	7.5	7.5	7.5	7.5
API Gravity (ASTM D-1298)	30.0	29.1	27.0	26.6