

**Specialists in Industrial & Automotive Oil**

Viscol cc  
 Reg No: 1987/028096/23  
 Vat Reg : 4380103046

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**TDS034****SUBJECT: OIL SPECIFICATIONS****ENVIRONMENTAL & QUALITY MANUAL***(in accordance with SABS ISO 9001 & 14001)***VISCOL TORQUE FLUID TO-4 SAE 30/40/50****DESCRIPTION**

A heavy duty power shift transmission fluid for modern construction and materials handling equipment.

**PERFORMANCE STANDARDS**

Meets current Caterpillar and Komatsu requirements for heavy duty power shift transmission fluids. These formulations can also be used in Clarke power shaft transmissions.

Caterpillar TO-4                    ZF TE-ML 01  
 Allison C-4                        ZF TE-ML 03C  
 Komatsu KES 07.868.1        ZF TE-ML 07F  
 Eaton Vickers EH-1027C  
 Komatsu Dresser  
 Dana Powershift  
 Temec/TTC

**SAE GRADES**

<b>Typical Physical Characteristics</b>	<b>Unit</b>	<b>30</b>	<b>40</b>	<b>50</b>
Visc @ 40 deg C	cSt	105	147	228
Visc @ 100 deg C	cSt	11.4	14.1	19.5
Visc Index	-	95	95	95
Flash Point (COC)	Deg C	246	261	273
Paour Point	Deg C	-25	-22	-17
Total Base Number	mgKOH/g	7.8	7.8	7.8
Base		mineral	mineral	mineral
API		CF-2	CF-2	CF-2

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**TYPICAL APPLICATIONS**

Recommended for all Caterpillar power shaft transmissions, manual transmissions and all final drives. Other than those for which gear oils are specified. The appropriate viscosity grades are also suitable for use in Komatsu power shaft transmission, Fuller transmissions, the final drives and hydraulic systems of all construction and materials handling equipment as well as marine transmissions. This product is not suitable for Allison automatic transmissions, torque converters or Allison marine transmissions

**Experienced personnel from our Technical Division are available for discussion on all aspects. Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for his own use.**

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