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Website: www.viscol.co.za**TDS 034****SUBJECT: OIL SPECIFICATIONS****ENVIRONMENTAL & QUALITY MANUAL**
*(in accordance with 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

Typical Physical Characteristics	Unit	30	40	50
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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SOP ref: (Rev. 02)	Compiled by: Alex Hime	Checked by:	Authorised by:



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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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