VALCO TORK 50

« Powershift » transmission fluid SAE 50

Top-of-the-range oil intended to “Powershift” type hydrokinetic transmissions.

VALCO TORK 50 offers superior protection against wear thus extending life of transmission systems. Specifically designed to provide the highest technical performance and widest fleet coverage for modern "powershift" transmissions, this multifunctional fluid can be used throughout transmission and hydraulics, anywhere high friction fluids are required.

Formula particularly intended for transmissions for which Caterpillar TO-4 specification is required.

Specifications

- ✓ API GL4
- ✓ Caterpillar TO-4
- ✓ Komatsu KES 07.868.1
- ✓ Vickers / Eaton I-286-S
- ✓ Vickers / Eaton M2950S

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	50	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	18.5	17.5	21.9
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	200	170	240
Viscosity index	ASTM D 2270	-	102	90	-
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	5.2	4.5	-
MRV viscosity @ -15°C	ASTM D 4684	mPa.s	-	-	30000
Density @ 20°C	ASTM D 7042	-	0.892	-	-
Pour point	ASTM D 97	°C	-30.0	-	-7.5
Flash point	ASTM D 92	°C	235	220	-
Brookfield viscosity @ -25°C	ASTM D 2896	cP	29400	-	150000
Spectrometric analysis	ICP	ppm			
Phosphorus			1000	-	-
Zinc			860	-	-
Calcium			3450	-	-
Colour	ASTM D 1500	-	2.5	-	4.5

Security

See Safety Data Sheet