VALCO TORK 10

« Powershift » transmission fluid SAE 10W

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

VALCO TORK 10 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
- ✓ Allison C4
- ✓ ZF TE-ML 03C

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	10W	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	6.8	6.0	-
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	43	25	45
Viscosity index	ASTM D 2270	-	117	90	-
CCS viscosity @ -25°C	ASTM D 5293	mPa.s	5700	-	7000
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	2.3	2.1	-
MRV viscosity @ -25°C	ASTM D 4684	mPa.s	9000	-	30000
Density @ 20°C	ASTM D 7042	-	0.867	-	-
Pour point	ASTM D 97	°C	-42	-	-25
Flash point	ASTM D 92	°C	231	200	-
Brookfield viscosity @ -35°C	ASTM D 2896	cP	35580	-	150000
Spectrometric analysis	ICP	ppm			
Phosphorus			1000	-	-
Zinc			860	-	-
Calcium			3450	-	-
Colour	ASTM D 1500	-	2.0	-	4.5

Security

See Safety Data Sheet