



KunLun
LUBRICANT
昆仑润滑油

Quality Certification

Product Name: KeLaMaYi DB-25 Transformer Oil

Bath No.: 2017-11202KL

Item	Standard Index	Tested Value	Test Method
Pour Point/°C	⚡-30	-31	GB/T 3535-2006
Kinematic Viscosity(40°C)/mm ² /s	⚡12	9.974	GB/T 265-1988
Kinematic Viscosity(-20°C)/mm ² /s	⚡1800	501.7	
Water Content/mg/Kg	⚡30/40	22	GB/T 7600-2014
Breakdown Voltage(unused)/kv	⚡30	65	GB/T 507-2002
Density 20°C/kg/m ³	⚡895	883.4	SH/T 0604-2000
Aniline Point/°C	As reported	76.4	GB/T 262-2010
Dielectric Loss Factor(90°C)	⚡0.005	0.009	GB/T 5654-2007
Appearance	Transparent,no sediment and suspended matter	Transparent,no sediment and suspended matter	Visual Inspection
Acid Value/mgKOH/g	⚡0.01	0.008	NB/SH/T 0836-2010
Water Soluble acid or alkali	None	None	GB/T 259-1988
Interfacial Tension/mN/m	⚡40	45	GB/T 6541-1986
Total Acid value(mass fraction)/%	⚡0.15	0.0098	SH/T 0689-2000
Corrosive Sulfur	Non-corrosive	Non-corrosive	SH/T 0804-2007
Antioxidant content(mass fraction),%	0.08-0.40	0.335	SH/T 0802-2007
2-Furfural content/mg/kg	⚡0.05	0.013	NB/SH/T 0812-2010
Oxidation stability(120°C, 500h)	--	--	NB/SH/T 0811-2010
--Total acid value	⚡0.3	0.04	
--Oil Sludge	⚡0.05	0.020	NB/SH/T 0838-2010
--Dielectric Power Factor(90°C)	⚡0.050	0.012	GB/T 5654-2007
Gassing Property/(mm ³ /min)	As reported	+23.2	NB/SH/T 0810-2010
ECT/ μ C/m ³	As reported	1	DL/T 385-2010
Flash point(closed cup)/°C	⚡135	142.0	GB/T 261-2008
PCA Content(mass fraction)/%	⚡3	<3	NB/SH/T 0838-2010
PCB Content(mass fraction)/mg/kg	Not detectable	Not detectable	SH/T 0803-2007

Conclusion: The quality of subjected oil meets standard GB 2536-2011

QC Stamp:

Quality Inspector: Hou XiaoDong

Note:

Inspection Date: Feb 26th, 2017