



Naphthenics Product Data Sheet Nynas Transformer Oil - Nytro 10GBN

99-03-08

PROPERTY	UNIT	TEST METHOD	GUARANTEED DATA		TYPICAL DATA
			Min	Max	
1. Physical					
Appearance		IEC 296	Clear, free from sediment		
Density, 20°C	kg/dm ³	ISO 12185		0,895	0,886
Viscosity, 40°C	mm ² /s	ISO 3104		11,0	8,9
Viscosity, -30°C	mm ² /s	ISO 3104		1800	1180
Flash Point, PM	°C	ISO 2719	140		148
Pour Point	°C	ISO 3016		-45	-57
2. Chemical					
Neutralization value	mg KOH/g	IEC 296		0,03	<0,01
Corrosive sulphur		ISO 5662	non-corrosive		
Aromatic content	%	IEC 590			14
Antioxidant, phenols	Wt %	IEC 666	not detectable		
Water content	mg/kg	IEC 814		30	<20
3. Electrical					
Dielectric dissipation factor at 90°C		IEC 247		0,005	<0,001
Interfacial tension	mN/m	ISO 6295	40		49
Breakdown voltage					
- Before treatment	kV	IEC 156	30		40-60
- After treatment	kV	IEC 296	70		>70
4. Oxidation Stability					
At 100°C 164h		IEC 1125 A			
Neutralization value	mg KOH/g			0,40	0,15
Sludge	Wt %			0,10	0,02
At 120°C 164h		IEC 1125 C			
Total acidity	mg KOH/g			1,2	0,26
Sludge	Wt %			0,8	0,08
5. Gassing tendency					
Hydrogen	mm ³ / min	IEC 628 (A)		+5	<+5

NYTRO 10GBN is an uninhibited transformer oil, meeting the specifications IEC 296(82) Class I and II, ASTM D3487 type I, AS1767-1975 and BS 148:97 Class I and II.