ATLANTIC TRANSFORMER OIL TYPE II

DESCRIPTION

ATLANTIC TRANSFORMER OIL TYPE II is developed through carefully selected raw materials and refining techniques. It has superior dielectric properties and a better heat transfer coefficient. It Surpass the current requirements of IEC 60296: 2012 standard specification.

APPLICATIONS

ATLANTIC TRANSFORMER OIL TYPE II is used in transformers and also used in many rubber compositions such as Styrene Butadiene Rubber for instance and the compatibility is excellent.

PRODUCT FEATURES & BENEFITS

- Excellent performance and proven reliability.
- It serves as a medium to transfer heat away from the core, and helps maintain the water balance of the system.
- The naphthenic oil will reach a lower viscosity meaning more oil circulation in the transformer and better cooling.

PRODUCT BENEFITS

- Excellent metal wettability and high film strength for any moisture condition.
- Minimized inventory — can be used as worm gear lubricants. Meets AGMA compounded lubricant specifications.

SPECIFICATIONS AND APPROVALS

It meets the Naphthenic Uninhibited transformer oil specification IEC 60296

TYPICAL TECHNICAL PROPERTIES

	Characteristics	Test Method	Specification
	1-Function:		
1	Color	ASTM D 1500	---
2	Kinematic Viscosity @40 °C mm2/sec @ (-) 30°C mm2/sec	 ISO 3104/ASTM D445 ISO 3104	 Max. 12 Max. 1800
3.	Pour Point °C	ISO 3016/ASTM D97	Max. (-) 40
4	Water Content (PPM)	IEC 60814/ASTM D1533	Max. 30 mg/kg for bulk supply Max. 40 mg/kg for supply in Drum
5	Breakdown Voltage	IEC 60156/ASTM D877	Min. 30 kV as delivered Min. 70 kV after lab treatment
6	Density @20°C KG/dm3	ISO 3675 OR ISO 12185/ASTM D4052	Max. 0.895
7	Density @29.5C KG/dm3	ISO 3675 OR ISO 12185/ASTM D4052	---

Health and Safety: This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard A safety data file conforming to the requirements of current EC legislation is avaiable from your local trade consultant.

Note: These characteristics are typical of current præuction While future production will conform to Atlantic's specification, variations in these characteristics rnay

8	Dielectric Dissipation Factor @ 90°C & 40 to 60 Hz	IEC 60247 OR IEC 61620/ASTM D150	IEC 60247 OR IEC 61620
9	Particle Content	ISO 60970/ASTM D6786	No General Requirement
	2-Refining/ Stability:		
10	Appearance	VISUAL	Clear, free from sediment & Suspended matter
11	Acidity	IEC 62021-1 OR IEC62021-2/ASTM D664	Max. 0.01 mg KOH/gm
12	Inter Facial Tension MN/m	EN 14210 OR ASTM D971/ASTM D971	Min. 40
13	Total Sulphur Content	IP 373 OR ISO 14596/ASTM D5453	No General Requirement
14	Corrosive Sulphur	DIN 51353/ASTM D1275B	Non-Corrosive
15	Potentially Corrosive Sulphur	IEC 62535	Non-Corrosive
16	DBDS(Dibenzyldisulphide) mg/kg	IEC 62697	Not Detectable(<5mg/kg)
17	Inhibitors of IEC 60666	IEC 60666	(U) Uninhibited Oil; Not Detectable (<0.01%)
18	Metal Passivator Additives mg/kg	IEC 60666	Not Detectable
19	Other Additives	---	---
20	2 Furfural Content mg/kg/gm	IEC 61198	Not Detectable
21	Stray Gassing	See 6.22	No General Requirement
	3-Performance:		
22	Oxidation Stability @120°C, 164 HRS	IEC-61125:1992 (METHOD C) TEST DURATION; UNINHIBITED OIL: 164 Hrs	
	A) Total Acidity mg KOH /gm	*1.9.4 of IEC 61125:1992/ ASTM D664*	*Max. 1.2*
	B) Sludge %	*1.9.1 of IEC 61125:1992*	*Max. 0.8*
	C) DDF @ 90 °C	*1.9.6 Of IEC 61125:1992 Amendment 1(2004) +IEC 60247*	*Max. 0.5*
23	Gassing Tendency	IEC60628:1985, METHOD A	No General Requirement
24	*ECT*		
	4- Health, Safety and Environment:		
25	Flash Point	ISO 2719/ASTM D92	Min. 135°C
26	PCA Content %	BS-2000 PART 346	Max. 3 .0%
27	PCB Content mg/kg/gm	IEC-61619/ ASTM D4059	Not Detectable
28	Carbon Type Analysis CA% CP% CN%	FTIR	 4.0 to 12.0 Max. 50.0 Min. 42.0

Health and Safety: This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard A safety data file conforming to the requirements of current EC legislation is avaiable from your local trade consultant.

Note: These characteristics are typical of current præuction While future production will conform to Atlantic's specification, variations in these characteristics rnay