



#4209
TRANSFORMER OIL
TYPE II

CHAMPION TRANSFORMER OIL is a very high quality, highly refined oil designed to meet the requirements of most major manufacturers of electrical equipment. It is manufactured using the highest level of laboratory control, thus assuring the finished product to remain well within the specifications necessary for transformer oil. It meets the requirements of ASTM D3487-88.

CHAMPION TRANSFORMER OIL is inhibited and can be used where higher than normal operating conditions exist and where oxidation could be a problem. It is marketed only in sealed 55 gallon drums in order to assure that it remains within specifications.

TYPICAL SPECIFICATIONS TYPE II

PHYSICAL PROPERTIES	ASTM METHOD	MIN.	MAX.	TYPICAL
Aniline Point, ° C	611	63	84	72
Color	1500		0.5	0.3
Flash COC, Deg. ° C	92	145		152
Interfacial Tension @ 25 ° C, dynes/cm	971	40		44
Pour Point, Deg. ° C	97		-40	-50
API Gravity @ 60° F	1298			27.2
Specific Gravity 15 C/15 C	1298		.91	0.89
Viscosity				
cSt @ 100° C	445		3.0	2.6
cSt @ 40° C	445		12.0	10.7
Visual Appearance	1524		Bright & Clear	
CHEMICAL PROPERTIES				
Antioxidant Content, Wt %	2668		.08	.06
Corrosive Sulfur	1275	None	None	None
Moisture, ppm	1553		35	10
Neutralization No., mg KOH/g oil	974		.03	.002
Oxidation Stability				
Rotating Bomb, min.	2112	195		222
PCB Content, ppm	4059		Non-Detectable	
ELECTRICAL PROPERTIES				
Dialectric Breakdown Voltage @ 60 Hertz				
Disc Electrodes, KV	877	30		39
Dialectric Breakdown Voltage Impulse, 25° C, KV				
Needle negative to Sphere grounded, 1-inch gap	3300	145		173
Power Factor, 60 Hertz				
25° C, %	924		.05	.02
100° C, %	924		.30	

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Available in: #4209A - 55 gallon