

ADVANTAGE HYVOLT II

OVERVIEW

ADVANTAGE HYVOLT II is an electrical insulating naphthenic oil that meets the ASTM D-3487 specification for inhibited oils. Its very low pour point, excellent electrical properties and high level of oxidation stability makes **ADVANTAGE HYVOLT II** ideal for the demanding requirements of today's leading transformer manufacturers.

FEATURES & BENEFITS

ADVANTAGE HYVOLT II has very high dielectric strength that exceeds most international requirements and excellent oxidation stability to reduce sludge and acid formation. Its inherent low pour point gives **ADVANTAGE HYVOLT II** excellent cooling properties and it can be readily mixed with similar ASTM-D-3487 oils.

APPLICATIONS

ADVANTAGE HYVOLT II is designed for use in any electrical application requiring an ASTM-3487 Type II insulating oil.

SPECIFICATIONS

ASTM-3487

TYPICAL PROPERTIES

PRODUCT CODE	101	SPECIFICATIONS			
		TEST DESCRIPTION	TEST METHOD	MIN	MAX
		Viscosity, sus at 378°C	ASTM D 445		66.0
		Viscosity, SUS at 98.9°C	ASTM D 445		36.0
		Viscosity, cSt atLo°C	ASTM D 445		76.0
		Viscosity, cSt at 40°C	ASTM D 341		12.0
		Viscosity, cSt at 100°C	ASTM D 341		3.0
		Specific Gravity, 156°C	ASTM D 4052		0.9100
		Flash Point, COC, °C	ASTM D 92	145	
		Color, ASTM	ASTM D 6045		0.5
		Pour Point, °C	ASTM D 5949		-40
		Aniline Point, °C	ASTM D 611	63.0	84.0
		Interfacial Tension, 25°C, dynes, cm	ASTM D 971	40	
		Visual Examination	ASTM D 1524	Clear & Bright	
				ELECTRICAL PROPERTIES	
		Dielectric Breakdown at 60 Hz, Disk electrodes, kV	ASTM D 877	30	
		Electrical Properties	ASTM D 1816		
		Power Factor at 60 Hz, 25°C, %	ASTM D 924	35	0.05
		Power Factor at 60 Hz, 100°C, %	ASTM D 924		0.30
		Gassing Tendency, µL/min	ASTM D 2300		30
				CHEMICAL PROPERTIES	
		Oxidation Stability	ASTM D 2440		
		72 hr.: Sludge, % by mass			0.1
		Total Acid Number, mg KOH/g			0.3
		164 hr.: Sludge, % by mass			0.2
		Total Acid Number, mg KOH/g			0.4
		Oxidation Stability (Rotating Bomb Test), minutes	ASTM D 2112	195	
		Oxidation Inhibitor Content, wt%/o	ASTM D 2668	0.15	0.30
		Corrosive Sulfur	ASTM D 1275 (B)	Noncorrosive	
		Water Content, ppm	ASTM D 1533		35
		Neutralization Number, mg KOH/g	ASTM D 974		0.03
		PCB Content, ppm	ASTM D 4059		Not detected