

Hyvolt II



Electrical Insulating Oil

Post Office Box 1639
 Jackson, MS 39215-1639 USA
 www.ergon.com

Oil Properties

TEST DESCRIPTION	ASTM TEST METHODS	ASTM D 3487 SPECIFICATION	ERGON TYPICAL VALUES
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Physical Properties:

VISCOSITY @ 100°C, cSt (SUS @ 100°F)	ASTM D 445 / 341	3.0 (36) max	2.4 (61.0)
VISCOSITY @ 40°C, cSt (SUS @ 210°F)	ASTM D 445 / 341	12.0 (66) max	9.8 (34.2)
VISCOSITY @ 0°C, cSt (SUS @ 32°F)	ASTM D 445 / 341	76.0 (350) max	64 (310)
SPECIFIC GRAVITY, 15°C / 15°C	ASTM D 1298 / 4052	0.9100 max	0.8890
POUR POINT, °C	ASTM D 97 / 5949	-40 max	-55
COLOR, ASTM	ASTM D 1500 / 6045	0.5 max	L0.5
FLASH POINT, COC, °C	ASTM D 92	145 min	149
INTERFACIAL TENSION @ 25°C, dynes/cm	ASTM D 971	40 min	51
ANILINE POINT, °C	ASTM D 611	63 min 84 max	70
VISUAL EXAMINATION	ASTM D 1524	clear and bright	clear and bright

Electrical Properties:

DIELECTRIC BREAKDOWN @ 60 Hz, disk electrodes, kV	ASTM D 877	30 min	40
POWER FACTOR @ 60 Hz, 25°C, %	ASTM D 924	0.05 max	0.005
POWER FACTOR @ 60 Hz, 100°C, %	ASTM D 924	0.30 max	0.084
GASSING TENDENCY, uL/minute	ASTM D 2300	30 max	6.7

Chemical Properties:

OXIDATION STABILITY	ASTM D 2440		
72 hr: Sludge, % by mass		0.1 max	<0.01
Total acid number, mg KOH /g		0.3 max	<0.01
164 hr: Sludge, % by mass		0.2 max	<0.01
Total acid number, mg KOH /g		0.4 max	<0.01
OXIDATION STABILITY (Rotating Bomb test), minutes	ASTM D 2112	195 min	230
OXIDATION INHIBITOR CONTENT, wt%	ASTM D 2668	0.30 max	0.25
CORROSIVE SULFUR	ASTM D 1275	non-corrosive	non-corrosive
WATER, ppm	ASTM D 1533	35 max	15
NEUTRALIZATION NUMBER, mg KOH /g	ASTM D 974	0.03 max	<0.01
PCB CONTENT, ppm	ASTM D 4059	not detected	not detected

Cleanliness Criteria: (Not an ASTM D 3487 Requirement)

POLYCYCLIC AROMATIC COMPOUNDS, wt %	IP 346	<3	<3
MODIFIED AMES ASSAY	ASTM E 1687	pass	pass

Hyvolt II is stored in the following locations:

1. Chicago, IL
2. Cornwell Heights, PA
3. Houston, TX
4. Vicksburg, MS (Manufacturing Site)

Steve Jordan

OEM / Utilities

Phone: (601) 933-3214

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Stacy Esco

Field Fill Service

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