

JACO Analytical Laboratory

103 12th Ave SW • PO Box 635 Ephrata, WA 98823 • 509-754-5725 • FAX 509-754-4239

Company:	Springfield Utility Board		Manufacturer:	McGraw-Edison	
Address:	1001 Main Street		Serial:	26861-C	
City, State:	Springfield, OR 97477		Transformer Type:	OCB	
Substation:	Mt. Vernon -2S146-C		MVA:		kV:
Unit #:	TC#96	Company ID:		Gallons:	

Syringe #:	22E12129	Sampled by:	Rick Berens	Report Date:	10/08/2007
Bottle #:	22E12129	Contact:	Nick Amann	PCB:	ND

Dissolved Gas Analysis (Expressed in ppm's)

Collection Date:	09/27/2007				
Hydrogen (H ₂):	0				
Methane (CH ₄):	1				
Ethane (C ₂ H ₆):	0				
Ethylene (C ₂ H ₄):	1				
Acetylene (C ₂ H ₂):	1				
Carbon Monoxide (CO):	9				
Carbon Dioxide (CO ₂):	366				
Nitrogen (N ₂):	52652				
Oxygen (O ₂):	20697				
Total Combustible Gas:	12				
Total Gas in Oil:	73727				

Comments: Meets Condition 1 in IEEE Std. C57.104-1991. Recommend retest in 1 year.

Physical Properties

Collection Date:	09/27/2007				
Oil Temperature °C	NP				
D-1533 Moisture (PPM)	26.7				
D-971 Interfacial Tension	41				
D-974 Acid Neutralization	0.01				
D-1500 Color	L1.0				
D-1524 Visual	Pass				
D-877 Dielectric	39.2				
D-1816 Dielectric					
D-1298 Specific Gravity	0.8770				
D-924 Power Factor (25°C)					
D-924 Power Factor (100°C)					
D-1698 Sediment (%)					
D-2668 Oxidation Inhibitor (%)					

Comments: Fails IEEE 637-1985 acceptable levels. Moisture exceeds recommended maximum of 25 ppm. Recommend retest in 1 year.

NP – Not Provided