

GENERAL ELECTRIC

DOMIN. GEORGIA

TRANSFORMER TEST REPORT

Purchaser [REDACTED]

Date of Test AUGUST 1973

Purchaser's Order No. [REDACTED]

G.E. Reg'n. No. ~~_____~~

Type QA/FA/FOA

Phase

Cycling 60

Insulating Fluid

10C 01L

W. S. S. G851.452

H-WINDING 12/16/20/22.4 MVA **XXX**
67000 **Bolt**

Volts

12/16/20/22.4 MVA

X-WINDING 13800Y/7970

Volts

Y-WINDING

ALL LOSSES, RESISTANCE AND REGULATION BASED ON A TEMPERATURE OF 75 °C

RESISTANCES, EXCITING CURRENT, LOSSES AND IMPEDANCE—Based on normal rating, unless otherwise stated. Losses and reg. are based on wattmeter measurements. For three-phase transformers the resistances are the sum of the three phases in series.

SERIAL NO.	RESISTANCE IN OHMS			% Excite Current at 100% Rated Voltage	No Load Loss Watts at 100% Rated Voltage	67.0 Kv		_____ Kv		_____ Kv	
	WINDINGS					to 13.8 Kv		to _____ Kv		to _____ Kv	
						12000 Kva		_____ Kva		_____ Kva	
	H	X				Load Loss Watts	% Imp	Load Loss Watts	% Imp	Load Loss Watts	%
G851452	9.55	.0993		.48	14246	68372	7.47				
AVERAGE				.48	14246	Total Loss	% Imp	Total Loss	% Imp	Total Loss	%
GUARANTEE						82618	7.47				
							7.80				
REGULATION						100% PF	% PF	99% PF	% PF		
AVERAGE						0.9		5.1			
GUARANTEE											

TEMPERATURE RISES—Average rise in degrees C., corrected to instant of shutdown, of transformer.

Serial No. DETERMINED FROM THERMALLY SIMILAR UNIT

with windings connected and loaded as follow

H. Winding	63.4	Kv	109.3	Amp. ; X	Winding	13.8	Kv	502
Winding		Kv		Amp. until constant temperature rise was reached				

KVA	RISE OF WINDINGS BY RESISTANCE				Top Field Rise	AMBIENT TEMP.		Rise	WATER Gallons Per Min.	FOAM Pressure
	H	X		Guarantee		Ingoing Water	Yr. or Room			
12000	46.5	45.2		55	45.3		30			
22400	57.3	58.2		65	37.5		30			

INSULATION TESTS	Winding	VOLT RATING	Test Voltage Applied in Kv	Duration of Test in Seconds
APPLIED POTENTIAL TESTS (Voltage applied between each winding and all other windings connected to core and ground.)	H	67000	140	60 Seconds for All Tests
	X	13800	34	
INDUCED POTENTIAL TEST	2 times rated voltage across full winding; Line terminal to ground; at 300 cycles per second for			Kv from 7200

REMARKS

I HEREBY CERTIFY THAT THIS IS A TRUE REPORT BASED ON FACTORY TESTS MADE IN ACCORDANCE WITH THE LATEST TRANSFORMER TEST CODE C57.12 OF THE AMERICAN NATIONAL STANDARDS INSTITUTE, AND THAT EACH TRANSFORMER WITHSTOOD THE ABOVE INSULATION TESTS.

RW STANLEY/CT

Date 9/18/73

~~ARMED~~ LUTHER W. JOHNSON. MANAGER

105 (11-70)

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PRODUCT ENGINEERING