

Transformer Test Results - EATON

Serial #: **2059000795**

Test Date: 01/15/2021

Customer: XXXXXXXXXX

KVA: 3000.0

Catalog #: 0000CA70A0JA

Tester #: E9813966 - E9813966

Phases: 3

Frequency: 60

Station: PWLAT

Temp Rise: 65

Core Steel: M6

Pri. Volts: 44000 D

Sec. Volts: 599 Y

OX Volts: 1200

Pri. BIL: 250

Sec. BIL: 30

Pri. Mat.: AL

Sec. Mat.: AL

Pri. HIPOT KV: 95

Sec. HIPOT KV: 10

Test Program Version: VERSION 12.5.2

TEST STATUS: FC

Results @ 85 Deg. C

Core Losses at Ambient Status: N

	DESIGN	UPGRADE	% of DIFF.	PASS / FAIL
Pri. Res.	6.56332	6.706302	2.2	
Sec. Res.	.00041	.000396	-3.3	
IEX %	.	.2	.	
Core Loss Watts	7026.	4424.	-37.	FAIL (>20%)
Stray Loss Watts	.	3115.	.	
ISQR Loss Watts	.	20337.	.	
Wind Loss Watts	23646.	23452.	-.8	
Total Loss Watts	30982.	27876.	-10.	PASS
IX %	.	6.45	.	
IR %	.78	.78	.	
IZ %	6.50	6.50	-.10	PASS
EFF @ 50%	.	99.31		
EFF DOE	.	99.33		

DOE COMPLIANCE STATUS: N

Ambient Temp: 21.1

Top Oil Temp: 22.1

Calc. Coil Temp: 22.1

Power Factor @ 20 Deg. C	H-G: 0.81	H-L: 0.46	L-G: 0.19
Resistance @ 21.1 Deg. C	H1-H2: 3.585053	H1-H3: 3.550941	H2-H3: 3.55515
	X1-X2: 0.000619	X1-X3: 0.000636	X2-X3: 0.000642

Measured Readings: Amps	Volts	Corrected Watts *	
Core Loss	5.89	601.9	4570.0
Load Loss	39.20	2853.0	20119.0
			Jumper Res. 0.0001050

* CORRECTED WATTS = MEASURED WATTS - METER LOSS WATTS - JUMPER LOSS WATTS

Notes :
H-L&G 30.7G
L-H&G 24.3G
H&L-G 40.8G
ISO CORE GROUND =12.4 GOHMS
ZERO PHASE SEQUENCE =6.97%