CERTIFIED TRANSFORMER TEST REPORT

DATE OF TEST	12-02-2024	CAT. NO:	9T03A0002	T.R. No.:	30YS*D16
PURCHASER				P.O. No.:	

KVA	30	Phase:	3	HERTZ:	60	CLASS:	AA
High Voltage:	480	Taps:	2A4B @ 2.5%	° C RISE	150	INS. CL.:	220°C
Low Voltage:	208Y/120	ID Tag:		COND.:	ALUMINUM	TYPE:	HT

Resistances, exciting currents, losses and impedance are based on nominal rating unless otherwise stated. Losses and regulation are based on wattmeter measurements. For three-phase transformers resistance given are the sum of the three phases in series.

MEASURED TRANSFORMER DATA

HV wdg.res. @	21.9	° C amb. temp.	.....	0.83943	ohms
LV wdg. res. @	21.9	° C amb. temp.	.....	0.03058	ohms
No load loss @ 100% of rated volts			.....	79	watts
Exciting current @100% of rated volts			.....	0.39	%
Load loss @	170	° C ref. temp.	.....	1010	watts
Impedance @	170	° C ref. temp.	.....	5.06	%

Turns ratio and polarity/phase relation check ..... PASS

CALCULATED DATA @ 170 ° C ref. temp.

Regulation	@ 1.0 power factor	.....	3.44	%
	@ 0.8 power factor	.....	4.97	%
Efficiencies	@ 100% full load	.....	96.5	%
	@ 75% full load	.....	97.2	%
	@ 50% full load	.....	97.84	%
	@ 25% full load	.....	98.14	%

DIELECTRIC TESTS

Applied potential test for 60 seconds		h.v. to l.v. / ground	.....	4	kv	PASS
		l.v. to h.v. / ground	.....	4	kv	PASS
Induced potential - double voltage at	400	cycles per second for	.....	18	sec	PASS

REMARKS:

BIL: HV=10 KV; LV=10 KV
TRANSFORMER MEETS DOE 10CFR 431, 2016 EFFICIENCY

DATE: Signed: Signed:

Reviewed By ***Approved By***

Designed, manufactured and tested in accordance with the latest applicable IEEE-NEMA standards.