

STATION SERVICE TRANSFORMER
(13.8 kV and below)

TEST DATA

Test Data No. _____
Station _____
Equipment ID _____
Date of Test _____
Make _____
Serial No _____
Tap Changer Type _____

MVA _____
kV HV _____ Y [] △ []
 LV _____ Y [] △ []
Winding Connection _____
% Impedance _____
Year Manufactured _____

I. TRANSFORMER TURNS RATIO TEST

HV		LV		Comp Ratio	<u>1U1V/ 2u2n</u>	%E	<u>1V1W/ 2v2n</u>	%E	<u>1W1U/ 2w2n</u>	%E	Rating (S, P, C)
Tap	Volts	Tap	Volts								

Standards Used: _____
Remarks: _____

II. INSULATION RESISTANCE TEST

PARTS MEASURED	TEST kV	MEGOHMS		MΩ/KV	POLARIZATION INDEX	RATING (S, P, C)
		1 MIN	10 MIN			
HV-Case						
HV-LV						
LV-Case						

Standards Used: _____
Remarks: _____

III. WINDING RESISTANCE TEST

WINDING	TAP	WINDING MEASURED	RESISTANCE (mΩ) corrected at 75°C		RATING (S, P, C)
HV	Highest			mΩ	
				mΩ	
				mΩ	
HV	N			mΩ	
				mΩ	
				mΩ	
HV	Lowest			mΩ	
				mΩ	
				mΩ	
TV				mΩ	
				mΩ	
				mΩ	

Standards Used: _____
Remarks: _____

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IV. OIL DIELECTRIC BREAKDOWN VOLTAGE, ASTM D1816

SOURCE OF SAMPLE	TEST NUMBER					AVERAGE (X)	TEMP °C	RATING (S, P, C)
	1	2	3	4	5			
Main Tank								
LTC								

Standards Used:

Remarks:

Overall Remarks:

Tested by :

Concurred by :

Contractor - Test Engineer

Owner's Representative

TEST INSTRUMENTS:

(Eqpt.ID/Make/Model/SN/

Date of last calibration)

Legend:

S - Satisfactory

P - Poor

C - Critical