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Job #3044666

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Customer GLOBAL POWER SUPPLY
User Import User
Plant GLOBAL POWER SUPPLY

<u>Substation</u>	<u>Position</u>	<u>Equipment</u>	<u>Page</u>
Main Substation	Main Transformer	93500 - PF TWO-WINDING TRANSFORMERS (3)	
Main Substation	Main Transformer	56350 - TRANSFORMER WINDING RESISTANCE	
Main Substation	Main Transformer	56300 - TRANSFORMER TURNS RATIO	

INSULATION TESTS TWO-WINDING TRANSFORMERS

SURGE ARRESTERS													
	LOCATION	SERIAL #	MFR	OVERALL CATALOG	UNIT CATALOG	TYPE	RATED KV	ORDER	TEST MODE	TEST KV	mA	WATTS	IR Auto/Man
20													/
21													/
22													/
23													/
24													/
25													/
26													/
27													/
28													/

BUSHING C2 TESTS													
TEST NO.	BUSHING			NAMEPLATE		TEST KV	CAPACITANCE C (PF)	% POWER FACTOR			EQUIV		IR Auto/Man
	NO.	SERIAL #		POWER FACTOR	CAPACITANCE			MEASURED	20 C	CORR FACTOR	mA	WATTS	
29	H3	97-71977	GRD	0.23	3,936.00	10.01	3,632.30	0.44	0.44	1.000	13.694	0.6000	D /
30	H2	97-71959	GRD	0.22	3,992.00	10.00	3,888.40	0.38	0.38	1.000	14.659	0.5570	G /
31	H1	No Nameplate	GRD			10.01	3,579.70	0.46	0.46	1.000	13.495	0.6200	G /
32			GRD										
33			GRD										
34			GRD										
35			GRD										
36			GRD										

HOT COLLAR TESTS								
	SERIAL #	DSG	TEST MODE	SKIRT #	TEST KV	mA	WATTS	IR Auto/Man
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								

EXCITING CURRENT TESTS									
		MFR.	TYPE	STEPS	BOOST %	BUCK %	POSITION FOUND	POSITION LEFT	OIL VOLUME
47	De-Energized Tap Changer								
48	On-Load Tap Changer								

CONNECTIONS:													
	DETC	LTC	TEST KV	mA	WATTS	X	mA	WATTS	X	mA	WATTS	X	IR Auto/Man
49			10.010	4.982	26.640	L	8.958	48.791	L	9.402	48.816	L	0

IWC:	mA:	8.958 / 8.958, 1 / 1	WATTS:	48.791 / 48.791, 1 / 1	pF:	-1992.46 / -1992.46, 1 / 1
IWC:	mA:	9.402 / 9.402, 1 / 1	WATTS:	48.816 / 48.816, 1 / 1	pF:	-2131.00 / -2131.002, 1 / 1

COMMENTS: C2 TEST RESULTS FOR BUSHINGS H3 (AND LIKELY H1) ARE GRADED AS DEGRADING. SEE REPORT FOR ANALYSIS/EXPLANATION.

DEFICIENCIES:



Comment Summary

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Customer GLOBAL POWER SUPPLY
User Import User
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Substation: Main Substation Page : _____
Position: Main Transformer Test Date and Time: 06/28/2006
Equipment: 93500 - PF TWO-WINDING TRANSFORMERS (3)

ALL TEST RESULTS ON THIS FORM FOUND SATISFACTORY. PLEASE REVIEW SHEET TWO FOR C2 BUSHING TEST INFORMATION. C2 TEST RESULTS FOR BUSHINGS H3 (AND LIKELY H1) ARE GRADED AS DEGRADING. SEE REPORT FOR ANALYSIS/EXPLANATION.

Substation: Main Substation Page : _____
Position: Main Transformer Test Date and Time: 06/29/2006
Equipment: 56350 - TRANSFORMER WINDING RESISTANCE

ALL TESTS SATISFACTORY
Insulation Resistance for H-L,Gnd 277.7 M Ohms H/L,Gnd 833.3 M Ohms L-H,Gnd 86.4 M Ohms

Substation: Main Substation Page : _____
Position: Main Transformer Test Date and Time: 06/29/2006
Equipment: 56300 - TRANSFORMER TURNS RATIO

ALL TESTS SATISFACTORY