



Powering Business Worldwide

Electrical Services & Systems

Medium Voltage Switch

CUSTOMER:		JOB NUMBER:	
USER:		PLANT:	
SUBSTATION:	Substation D	EQUIPMENT POSITION:	Indoor
DEVICE / FEEDER ID:	LOAD BREAK SWITCH - Utility Feed A	DATE TESTED:	1/22/2014

FIELD DATA

SWITCH INFORMATION

MANUFACTURER:	S & C Electric	VOLTAGE RATING:	29KV
TYPE:	ALDUTI RUPTER SWITCH	CURRENT RATING:	600
MODEL/STYLE #:	34063R4T	BIL (KV):	150
SYSTEM VOLTAGE:	27.6KV	CONTROL VOLTAGE:	N/A

FUSE INFORMATION

MANUFACTURER:	N/A	VOLTAGE RATING:	N/A
CAT#:	N/A	CURRENT RATING:	N/A

SURGE ARRESTER INFORMATION

MANUFACTURER:		VOLTAGE RATING:	N/A
TYPE/STYLE:	N/A	MCOV:	N/A

INSPECTION DATA

	AS FOUND	AS LEFT		AS FOUND	AS LEFT
OVERALL CONDITION:	Acceptable	Acceptable	KEY INTERLOCKS:	Acceptable	Acceptable
WINDOW:	Acceptable	Acceptable	OPERATING MECHANISM:	Acceptable	Acceptable
WARNING LABELS:	Acceptable	Acceptable	MAIN BLADES AND JAW:	Acceptable	Acceptable
OVERALL CLEANLINESS:	Acceptable	Acceptable	ARCING BLADES & CHUTES:	Acceptable	Acceptable
EQUIPMENT INSTALLATION:	Acceptable	Acceptable	FUSE HOLDERS:	N/A	N/A
EQUIPMENT GROUNDING:	Acceptable	Acceptable	CONNECTION TIGHTNESS:	Acceptable	Acceptable
BARRIERS & INSULATORS:	Acceptable	Acceptable	HEATERS:	N/A	N/A
MECHANICAL INTERLOCKS:	Acceptable	Acceptable	ARRESTER INSPECTION:	Acceptable	Acceptable
GROUND MAT:	N/A	N/A	WORKING SPACE:	N/A	N/A
LUBRICATION:	Acceptable	Acceptable	JUMPER CABLE INSPECTION:	N/A	N/A

ELECTRICAL TESTS

Insulation Resistance - MegOhms @ 5000 VDC

Closed (Ph - Gnd)	Closed (Ph - Ph)	Open (Line - Load)
A-G 44400	A-B 505000	A-A' 65000
B-G 505000	B-C 505000	B-B' 505000
C-G 505000	C-A 505000	C-C' 505000

MicroOhms @ 10 Amps

Contact Resistance
A 75
B 79
C 89

Readings in Milliamps @ _____ KV ☐ AC ☐ DC

Overpotential test					
A-G	-	A-B	-	A-A'	-
B-G	-	B-C	-	B-B'	-
C-G	-	C-A	-	C-C'	-

FUSE RESISTANCE:	(Readings in MilliOhms)	A	NT	B	NT	C	NT
FUSE AND HOLDER RESISTANCE:	(Readings in MilliOhms)	A	NT	B	NT	C	NT
FUSE HOLDER RESISTANCE:	(Readings in MilliOhms)	A		B		C	
ARRESTER INSULATION RESISTANCE @ _____ VDC:	(Readings in MegOhms)	A-G	NT	B-G	NT	C-G	NT

ELECTRICAL OPERATION

CHARGE:	N/A	TRIP:	N/A
CLOSE:	N/A	AUX CONTACT:	N/A

COMMENTS: