			BUS	BAR - U	P TO 750V	,			
FACILITY:				Equ	ip No:				
EQUIP LOCATION:				Cor	Contract No:				
TESTED BY:				Dat	e: (dd/mm/yy	/)			
			GEN	ERAL INF	ORMATION	[			
Equipment ID:				Mar	nufacturer:				
Rated Current:				Bus	Туре				
Rated Voltage:				Bus	Plating:				
No. of bars per phase									
Non-Ventilated	Ventil	ated		Outdoor		Indoor			
			ELEC	CTRICAL	TEST DATA				
				Test Con	ditions				
Ambient Temperature:			20	Relative I	numidity:				
Correction Factor			1.00						
		lı	nsulation F	Resistanc	e Test (Meg	ohms)			
			Tolerance:	100 Meg	ohms minim	num (Table	100.1)		
Test Voltage	Phas	se A t	to Ground	Phase E	to Ground	Phase C	to Ground	Neutral t	o Ground
at kVDC	Meas	ured	Corrected	Measure	Corrected	Measured	Corrected	Measured	Corrected
30 seconds			0		0		0		0
1 minute			0		0		0		0
2 minutes			0		0		0		0
3 minutes			0		0		0		0
4 minutes			0		0		0		0
5 minutes			0		0		0		0
6 minutes			0		0		0		0
7 minutes			0		0		0		0
8 minutes			0		0		0		0
9 minutes			0		0		0		0
10 minutes			0		0		0		0
Dialectric Absorption	#DI\	//0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
(1 min/30 sec)	Tolera	ance:		Megohms	minimum				
Polarization Index	#DI\	//0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
(10 min/1 min)	Tolera	ance:		Megohms	minimum				

		BUS	S BAF	R - UP TO 750V	
FACILITY:				Equip No:	
EQUIP LOCATION:				Contract No:	
TESTED BY:				Date: (dd/mm/yy)	
		VISU	AL IN	SPECTION DATA	
Legend: <b>G</b> = go	od <b>F</b> = fair	<b>P</b> = poor <b>C</b> = co	rrected	N = needs repair NA =	= not applicable <b>NS</b> = not in scope
INSPECTIONS		STATUS	CON	MENTS	
Physical Condition			1		
Bolted connection res	istance		1		
Torqued Bolted Conne	ections				
Installation					
Supports					
Identification of phasir	ng				
Insulation					
ADDITIONAL INFO:					

				CI	RCUI	T BRI	EAKE	R - L	ow v	OLTA	GE,	AIR
FACILITY:								Equi	p No:			
EQUIP LOCATION	ON:							Cont	ract N	lo:		
TESTED BY:								Date	: (dd/r	mm/yy	/)	
						GEN	ERAL	. INFO	ORMA	TION		
Equipment ID:												
Manufacturer:			17				Trip	Rating	g:			
Туре:								Fram	ne Rat	ing:		
Model/Catalog#:								Syste	em Vo	ltage	:	
Serial #:								Rate	d Volt	age:		
Year:								Inter	ruptin	g Cap	acity	
Breaker rating:			80%		,	100%						
Mounting:			Fixed	d mou	ınt			Draw	/-out			
Trip Type:			Therr	moma	agneti	С		Solid	l State	Rela	y [	
						L	imite	r Info	rmatio	on		
Manufacturer:			Catalogue#:									
Rated Amps:			Breaker Interrupt capacity equipped with limiter:									
				7	Therm	noma	gneti	c Trip	Unit	Infor	matio	on
Instantaneous tri	ip ran	ge:										
Instantaneous tri	ip sett	ing:										
Breaker tripped b	oy me	chani	ial trip	test	buttor	า:			yes			no 🗌
Breaker reset ok									yes			no 🗌
					Soli	id Sta	te Re	lay T	rip In	forma	tion	
Sensor Tap Ran	iges:								Rating	g Plug	j:	
TCC Curve #	<b>#</b> :							Se	nsor T	ap Us	sed:	
Manufacturer	test s	et use	ed:									
Settings:				As se	I	İ	s fou			As lef		-Tolerance
I am a dalam	-:-!	( A ) -	Α	В	С	Α	В	С	Α	В	С	
Long delay Long dela												
Short delay												
Short delay	-											
Instanta		` '										
Ground fault		` '										
Ground fau	•	,										
		` '		I	<u> </u>							

	AIR	
FACILITY:	Equip No:	
EQUIP LOCATION:	Contract No:	
TESTED BY:	Date: (dd/mm/yy)	

VISUAL INSPECTION DATA							
Legend: <b>G</b> = good <b>F</b> = fair <b>P</b>	= poor <b>C</b> = corr	ected <b>N</b> = needs repair <b>NA</b> = not applicable <b>NS</b> = not in scope					
INSPECTIONS	STATUS	COMMENTS					
Physical/mechanical condition							
Anchorage							
Alignment							
Cleanliness							
Circuit Breaker Operation							
Torque Bolted Connections							
Bolted Connection Resistance							
Shunt Trip							
Undervoltage Trip							
Drawout/Racking Mechanism							
Cell Condition							
Frame Condition							
Cell Alignment							
Main Contacts							
Drawout Contacts							
Contact Pressure & Alignment							
Primary Contact Lubrication							
Control Contacts							
Control Wiring							
Arcing Contacts							
Arcing Horns							
Arc Chutes							
Puffer Assembly							
Bonding Connection							
Key Interlocks							
Electrical Interlocks							
Manual Operation							
Insulators/Barriers							
Overall Condition							
Shutter Mechanism							
Status Indicators							
Limiters							
Cable Connections							
Reset trip logs/indicators							

	CI	RCUIT BRE	EAKER - LO	OW VOLTA	GE, AIR			
FACILITY:			Equip	o No:				
EQUIP LOCATION:			Cont	Contract No:				
TESTED BY:				: (dd/mm/yy	/)			
		ELEC	CTRICAL T	EST DATA				
			Test Cond					
Ambient Temperature:		20	Relative h	umidity:				
Correction Factor		1.00					_	
	<del>!</del>	Control Wi	ring Insula	ation Resis	tance			
Control wiring insulation re	esistance tes	st results:	Acce	ptable		Not Accept	table	
		Contact	Resistance	e (microOh	ms)			
	F	hase A		Phase	В		Phase C	
Contacts								
	I	nsulation F	Resistance	Test (Meg	ohms)			
	1	Tolerance:		ohms minim	` `			
Insulation Resistance	Pha	se A		se B		se C		
Test: Across Open	at	VDC		VDC	at	VDC		
Contacts (Breaker open)	Measured	Corrected	Measured	Corrected	Measured	Corrected		
30 second	S	0		0		0		
1 minut	Э	0		0		0		
Dielectric Absorptio		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
(1 min/30 sec	) Tolerance	:	Minimum					
Insulation Resistance	Phase A	to Ground	Phase B	to Ground	Phase C	to Ground		
Test: Load-side to	at	VDC	at VDC		at	VDC		
Ground (Breaker open)*	Measured	Corrected	Measured	Corrected	Measured	Corrected		
30 second	s	0		0		0		
1 minut	Э	0		0		0		
Dielectric Absorptio		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
(1 min/30 sec	) Tolerance	:	Minimum					
Insulation Resistance		to Ground	Phase B	to Ground	Phase C	to Ground		
Test: Line-side Phase to ground (Breaker	at	VDC	at	VDC	at	VDC		
Closed)**	Measured	Corrected	Measured	Corrected	Measured	Corrected		
30 second	S	0		0		0		
1 minut	Э	0		0		0		
Dielectric Absorptio		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
(1 min/30 sec	) Tolerance		Minimum				· 	
* Not applicable for Draw-	out type circ	uit breakers	3					
** Not applicable for fixed-	mount type	circuit breal	kers					

CIRCUIT BREAKE	R - LOW VOLTAGE, AIR
FACILITY:	Equip No:
EQUIP LOCATION:	Contract No:
TESTED BY:	Date: (dd/mm/yy)
In	terlocks
Key Interlocks:	Electrical Interlocks:
N/A	☐ N/A ☐ Yes (list associated breakers):
Operating Sequence:	Operating Sequence:
ADDITIONAL INFO:	

Equip No: Contract No:							
Date: (dd/mm/yy)							
GENERAL INFORMATION							
Trip Rating:							
Frame Rating:							
System Voltage:							
Rated Voltage:							
Interrupting Capacity							
100%							
☐ Draw-out ☐							
netic Solid State Relay							
LIMITER INFORMATION							
Breaker Interrupt capacity equipped with limiter:							
TRIP LINIT INFORMATION							
tton: yes \( \square\) no \( \square\)							
yes 🗌 no 🗌							
Solid State Relay trip information							
Rating Plug:							
Sensor Tap Used:							
As found As left Tolerance							
C A B C A B C							
<del></del>							
<del>- - - -      </del>							
<del>- - - -      </del>							
<del>- - - - -</del>							
<del>- - -  </del>							
Frame Rating: System Voltage: Rated Voltage: Interrupting Capacity  100% Draw-out Dr							

	CIRCUIT E	BREAKER - LOV	v voi	LTAGE, MOLDED/INS	SULATED CASE
FACILITY:				Equip No:	
EQUIP LOCATION:				Contract No:	
TESTED BY:				Date: (dd/mm/yy)	
120125511					
				SPECTION DATA	
	F= fair P				= not applicable <b>NS</b> = not in scope
INSPECTIONS  Physical/mechanical of	ondition	STATUS	CON	IMENTS	
Anchorage	onunion				
Alignment					
Cleanliness					
Circuit Breaker Opera	tion				
Torque Bolted Connec					
Bolted Connection Re					
Shunt Trip	313141100				
Undervoltage Trip					
Drawout/Racking Mec	hanism				
Cell Condition	патіотт				
Frame Condition					
Cell Alignment					
Drawout Contacts					
Control Contacts					
Control Wiring					
Bonding Connection					
Key Interlocks					
Electrical Interlocks					
Manual Operation					
Overall Condition					
Shutter Mechanism					
Status Indicators					
Limiters					
Cable Connections					
Reset trip logs/indicate	ors				
ADDITIONAL INFO:					

	CIRC	UII BREA	NER - LOV	VVOLI	AG	E, MOLDE	D/INSULA	ED CASE		
FACILITY:		E				No:				
EQUIP LOCATION:				С	onti	ract No:				
TESTED BY:						Date: (dd/mm/yy)				
			ELEC	CTRICA	LT	EST DATA				
				Test Co	ond	itions				
Ambient Temperature:			20	Relative	e hı	umidity:				
Correction Factor			1.00							
			Control Wi	iring Ins	sula	ition Resis	tance			
Control wiring insulation	n res	istance tes	t results:	Α	cce	ptable		Not Accept	table 🗌	
	1		Contact	Resista	nce	(microOh				
		F	hase A			Phase	В		Phase C	
Contacts										
		I	nsulation I				•			
	1		Tolerance:		_		um (Table	· 1		
Insulation Resistance	•	Phase A			Phase B			se C		
Test: Across Open Contacts (Breaker op	an)	at	VDC			VDC		VDC		
		Measured	Corrected	Measu	red		Measured			
30 seconds			0			0		0		
1 minute		"D" //OI	0	"DDV"	/O.I	0	"DIV (/OI	0		
Dielectric Absorp		#DIV/0! Tolerance:					#DIV/0!	#DIV/0!		
					ohms minimum ase B to Ground Phase C to Grou					
Insulation Resistance	)		to Ground							
Test: Load-side to Ground (Breaker oper	n)*	at	VDC Corrected		ro d	VDC	at Measured	VDC		
30 seco		ivieasured	0	weasu	rea	0	ivieasured	0		
1 mi			0			0		0		
	-	#DIV/0!	#DIV/0!	#DIV/	/OI	#DIV/0!	#DIV/0!	#DIV/0!		
Dielectric Absorp (1 min/30		Tolerance:		<u>!</u>		minimum	#DIV/0:	#DIV/0:		
Insulation Resistance			to Ground			to Ground	Phase C	to Ground		
Test: Line-side Phase	to	at	VDC			VDC		VDC		
ground (Breaker Closed)**			Corrected		red			Corrected		
30 seco	nds		0			0		0		
1 mir			0			0		0		
Dielectric Absorp	tion	#DIV/0!	#DIV/0!	#DIV/	0!	#DIV/0!	#DIV/0!	#DIV/0!		
		Tolerance	<u> </u>	Megohi	ms	minimum	1		I	
* Not applicable for Dra	aw-ou	ut type circu	uit breakers	_						
** Not applicable for fix										
· · · ·										

CIRCUIT BREAKER - LOW VO	LTAGE, MOLDED/INSULATED CASE
FACILITY:	Equip No:
EQUIP LOCATION:	Contract No:
TESTED BY:	Date: (dd/mm/yy)
In	terlocks
Key Interlocks:  ☐ N/A ☐ Yes (list associated breakers):	Electrical Interlocks:  N/A Yes (list associated breakers):
Operating Sequence:	Operating Sequence:
ADDITIONAL INFO:	

## CIRCUIT BREAKER - MEDIUM VOLTAGE, AIR

FACILITY:				Equip No:			
EQUIP LOCATION:				Contract No:			
TESTED BY:				Date: (dd/mm/yy)			
		GE	NERAL	_ INFORMATION			
Equipment ID:				Year:			
Manufacturer:				Trip Rating:			
Type:				Rated Current:			
Model/Catalog#:				System Voltage:			
Serial #:				Rated Voltage:			
Style:				Rated trip coil voltage:	:		
Insulating medium:				Rated close coil voltage			
BIL (kV):				Interrupting Capacity			
Operating mech. type:				MOM Rating:			
Rated charging motor V:				Close & latch rating:			
		VISI	JAL IN	SPECTION DATA			
Legend: <b>G</b> = good <b>F</b> = fa	air <b>P</b>	= poor <b>C</b> = co	rrected	N = needs repair NA :	= not appli	cable <b>NS</b> = not in scope	<del></del>
INSPECTIONS		STATUS		MENTS		·	
Physical/mechanical condition	on						
Anchorage							
Alignment							
Grounding							
Maintenance devices avail.							
Lubrication							
Auxiliary drawout contacts							
Contact gap/wear indicators	5					Reading:	
Primary drawout Disconnec	ts						
Secondary drawout Disconr	nects						
Cleanliness							
Circuit Breaker Operation							
Torque Bolted Connections							
Bolted Connection Resistan	ce						
Shunt Trip							
Undervoltage Trip							
Drawout/Racking Mechanisi	m						
Cell Condition					<u> </u>		

# CIRCUIT BREAKER - MEDIUM VOLTAGE, AIR FACILITY: Equip No: EQUIP LOCATION: Contract No: TESTED BY: Date: (dd/mm/yy) Frame Condition Cell Alignment Main Contacts Contract Pressure & Alignment Control Contacts Control Wiring Arcing Contacts

Arcing Horns
Arc Chutes
Puffer Assembly
Puffer Operation
Bonding Connection

Key Interlocks
Electrical Interlocks
Manual Operation
Insulators/Barriers
Overall Condition

ADDITIONAL INFO:		
ADDITIONAL INFO:		
Heaters		
Operations counter	as found:	as left:
Breaker Open/Closed indic.		
Breaker Disconnected indic.		
Breaker Connected indication		
Breaker in test indicaiton		
Reset trip logs/indicators		
Status Indicators		

#### **CIRCUIT BREAKER - MEDIUM VOLTAGE, AIR** FACILITY: Equip No: **EQUIP LOCATION:** Contract No: TESTED BY: Date: (dd/mm/yy) **ELECTRICAL TEST DATA Test Conditions** Ambient Temperature: 20 Relative humidity: Correction Factor 1.00 **Insulation Resistance Test (Megohms)** Tolerance: Megohms minimum (Table 100.1) Phase A Phase B Phase C Insulation Resistance Test: Across Open **VDC VDC VDC** at at at Contacts (Breaker open) Measured Corrected Measured Corrected Measured Corrected 30 seconds 0 0 1 minute 0 #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! **Dielectric Absorption** (1 min/30 sec) Tolerance: Megohms minimum Insulation Resistance Phase A to Ground Phase B to Ground Phase C to Ground Test: Line-side Phase to VDC **VDC VDC** ground (Breaker Corrected Corrected Corrected Measured Measured Measured Closed)\*\* 30 seconds 0 1 minute 0 0 0 **Dielectric Absorption** #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! (1 min/30 sec) Tolerance: Megohms minimum

ADDITIONAL IINI O	ADDITIONAL INF	O
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Not applicable for fixed-mount type circuit breakers

### **CIRCUIT BREAKER - MEDIUM VOLTAGE, AIR** FACILITY: Equip No: **EQUIP LOCATION:** Contract No: TESTED BY: Date: (dd/mm/yy) **DC Overpotential Test (microAmperes) DC Overpotential Test: Across Open Contacts** Phase A Phase B Phase C (Breaker open) Test Voltage Time 0 min. 0 1 min. Increment 1 2 min. Increment 2 Increment 3 3 min. 4 min. Increment 4 5 min. Increment 4 DC Overpotential Test: Line-side Phase to ground (Breaker Phase C Phase A Phase B Closed)\*\* Test Voltage Time 0 min. Increment 1 1 min. 2 min. Increment 2 Increment 3 3 min. 4 min. Increment 4 5 min. Increment 4 **Minimum Pickup Voltage Tests** Coil#1 Coil#2 Coil#3 Minimum trip voltage: **Breaker Trip Tests** Breaker trip/close control switch operation: Acceptable Not acceptable Breaker protective relay(s) trip operation\*: Acceptable Not acceptable Mechanism charge operation Acceptable Not acceptable Trip-free operation: Acceptable Not acceptable Antipump operation: Acceptable Not acceptable Refer to Protective Relay test sheets for details **Control Wiring Insulation Resistance**

Contacts

Control wiring insulation resistance test results:

Acceptable

Phase B

**Contact Resistance (microOhms)** 

Phase A

Phase C

Not Acceptable

# **CIRCUIT BREAKER - MEDIUM VOLTAGE, AIR** FACILITY: Equip No: **EQUIP LOCATION:** Contract No: TESTED BY: Date: (dd/mm/yy) Interlocks Key Interlocks: Electrical Interlocks: N/A ☐ Yes (list associated breakers): $\square$ N/A $\square$ Yes (list associated breakers): Operating Sequence: Operating Sequence: ADDITIONAL INFO:

							DIS	TRIBUTIO	N TRA	ANSF	ORME	ER - D	RY T	YPE						
FACILITY:										EQUI										
EQUIP. LO																				
TESTED E											act N	mm/y	v/)							
TESTEDE	) i .									l										
								GEN	IERAL	LINFO										ı
Equipment	t ID:									Manu		er:							Year:	
LVA Defin										Туре								, ,		•••
kVA Rating Primary Vo					Cocondon	, \ /alta	~~:				dance						9	<u>@</u>		°C
Phases:	JIL. (KV).				Secondary requency		ge.		HZ	Windi						°C				
Primary B	11 -				Secondary				П		Rise					°C				
Tap Position		As fo	ound:		becondar	As I						Windir	าตร				วทา	er Windings		
						1				1							999	ge		
								ELE		CAL T										
Ambient T	omporatura					3	^			Cond				ı						
Correction	emperature					1.5				Relat	ive nu	imidity	<i>r</i> :							
Correction	racioi					1.3	56		Turns	s-Ratio	o Toe	•								
									ance:		0%		mum	deviat	ion fro	m adiad	cen	t coils or calculat	ed ratio	
							X0-X			0.0	Ī	Maxi		X3 / H		m aajat	3011		(1 / H3-H1	
Тар	Primary Vo	oltage		alculate				Excitation		rent				Ex		n curren	t		Excitation	n current
Position				Ratio	Mea	sured I	Ratio	Found		vious	Mea	sured	Ratio		und	Previou		Measured Ratio	Found	Previous
1			#	#DIV/0!																
2			#	#DIV/0!																
3			#	#DIV/0!																
4			#	#DIV/0!																
5			#	#DIV/0!																
								Winding	g Resi	istanc	e Tes									
									ance:	1.0	0%	maxi	mum			m previ	ous	s results		
Ta	ар			H1-F					2-H3	ı				H3-						
		Fo	und	Correc		vious	Fo	und Corr	ected	Prev	/ious	Fo	und	Corre		Previo	us	Correction Coe		
	-2				0.00				0.00						0.00			(aluminum or c	opper wind	ings): 235
	-3 -4				0.00				0.00						0.00					
	- <del></del> 5				0.00				0.00						0.00			*Correction		
	-6				0.00				0.00						0.00			(Aluminum (Copper wi		
				XO->				XC	)-X2					XO	-X3			(Copper wi	riuliigs) – 2	.04.0
Secondary	y Windings				0.00				0.00						0.00					
		1			ı		ı	nsulation	Resis	tance	Test	(Meg	ohms	5)						
								Tole	ance:			Meg	ohms	minim	ium (T	able 10	0.5	)		
			I	Hight to	Low	Lo	ow to	Ground	Н	ligh to	Grou	nd	Co	ore to	Groun					-1.500
			at		VDC	at		VDC	at			VDC	at			VDC V		rance: 1 Megohn	n minimum	at 500
			Meas	sured (	Corrected	Meas	sured	Corrected	Mea	sured	Corr	ected	Meas	sured	Corre	ected				
30 second	s				0			0				0			1					
1 minute					0			0				0			C	)				
2 minutes					0			0				0			C	)				
3 minutes					0			0				0			C					
4 minutes					0			0				0			C					
5 minutes					0			0				0			C					
6 minutes					0			0				0			C					
7 minutes			ļ		0			0	<u> </u>			0			C					
8 minutes			ļ		0			0	<u> </u>			0			C					
9 minutes					0			0				0			C					
10 minutes			4D N /	//OI //	0	4D 11 (1	/OI	0	4D" (	<b>101</b>		0	4C	'/OI	4DV (					
Polarization (10 min/1 r			#DIV	70! #	‡DIV/0!	#DIV/ Minim		#DIV/0!	#DIV	/U!	#DIV	/U!	#DIV	/U!	#DIV/	U!				
17 10 1111111111111	,		1016	ance.	1	TIII IIIVI	iuill									ı				

DISTRIBUTION TRANSFORMER - DRY TYPE									
FACILITY:		EQUIP.#							
EQUIP. LOCATION:		Contract No.:							
TESTED BY:		DATE: (dd/mm/yy)							

Γest High High	Grd Low	Gar	s UST			Measu	romonto					
ligh		Gar	UST				rements		Power	Factor	Capacitance	
•	Low				Test kV	mA	Watt	1 [	Measured	Corrected	pico-farads	Measured
ligh				_►	10			_►				CH + CHL
		Low		_►	10			_►				CH
ligh			Low	_►	10			_►				CHL(UST)
•	Test 1 mir	nus Test 2		_►				_►				
_OW	High			_►	1			_►				CL+CHL
_OW		High		_►	1			_►				CL
_ow			High	_►	1			_►				CHL(UST)
•	Test 5 mir	nus Test 6		_►				_►				
	Excitati	on Test						1 [				
	H1: A	UST B		_►				_►				
H2: A UST B						_►						
	H3: A	UST B		_►				_▶				
_0	w	Test 1 mir w High w Test 5 mir Excitati H1: A H2: A	Test 1 minus Test 2  W High  W High  W High  Test 5 minus Test 6  Excitation Test  H1: A UST B	Test 1 minus Test 2  W High  W High  W High  Test 5 minus Test 6  Excitation Test  H1: A UST B  H2: A UST B	Test 1 minus Test 2  w High  w High  Test 5 minus Test 6  Excitation Test  H1: A UST B  H2: A UST B  H3: A UST B	Test 1 minus Test 2  w High	Test 1 minus Test 2  w High	Test 1 minus Test 2  w High	Test 1 minus Test 2  w High  High  High  Test 5 minus Test 6  Excitation Test  H1: A UST B  H2: A UST B   Test 1 minus Test 2   →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →  1  →    →			

VISUAL INSPECTION DATA									
Legend: <b>G</b> =good <b>F</b> =fair	P=poor C=corrected N	=needs repair NA=not applicable	NS=not in scope						
INSPECTIONS	STATUS	COMMENTS							
Physical and mechanical condition									
Torque Bolted Connections									
Connection resistance measured and corrected									
Anchorage									
Alignment									
Grounding									
Cleanliness									
Pad									
Paint Condition									
Winding Temp. Gauge (test&record in add. Info):									
As found winding Temp. And reset max Temp.			1	°C					
Cooling fan function									
Fan condition									
Tap Links									
Control Compartment Door Gasket									
Control Compartment Heaters									
Secondary Voltage (prior to energizing)									

ADDITIONAL INFO:			

					AL IESI SHEET		
				FUSE	- CUTOUT		
FACILITY:					Equip No:		
EQUIP LOCATION:					Contract No:		
TESTED BY:			-		Date: (dd/mm/yy)		
			GEN	IERAL	_ INFORMATION		
Equipment ID:							
Manufacturer:			-		Fuseholder Style/CAT	Г#:	
Fuseholder model:					Cutout Style/CAT#:		
Cutout type:					Cutout serial #:		
System voltage:					Rated voltage:		
Current:					Size:		
			VISU	AL IN	SPECTION DATA		
Legend: <b>G</b> = good	<b>F</b> = f:	air <b>P</b> =	= poor <b>C</b> = corr	ected	N = needs repair NA	= not	applicable <b>NS</b> = not in scope
INSPECTIONS			STATUS	CON	MENTS		
Physical/mechanical of	condit	ion					
Anchorage							
Alignment							
Grounding							
Cleanliness							
Fuse ratings							
Latching mechanism							
Mechanical operation				$\perp$			
Torque Bolted connec				<u> </u>			
Bolted Connection Re	sistar	nce		$\perp$			
Control device operati	ion			$\perp$			
Lubrication				$\perp$			
Cleanliness:				<u></u>	_		_
ADDITIONAL INFO:					_		

					FUSE - CU	TOUT			
FACILITY	:				Equi	o No:			
EQUIP LC	CATION:				Cont	ract No:			
TESTED E	BY:				Date	: (dd/mm/yy	<b>'</b> )		
				ELEC	CTRICAL T	EST DATA			
					Test Cond		<u> </u>		
Ambient T	emperature			20	Relative h	umidity:			
Correction	Factor			1.00		-			
				Contact	Resistance	(microOh	ms)		
					Pha	se A	Pha	se B	Phase C
Fuse Resi	stance and	Clip Asser	mbly						
			lı	nsulation F	Resistance	Test (Meg	ohms)		
		•		Tolerance:			um (Table	· · ·	
Open Cut	out Insulati	ion	Pha	se A	Pha	se B	Pha	se C	
Resistance		at		VDC		VDC		VDC	
		Mea	asured	Corrected	Measured	Corrected	Measured	Corrected	
30 second	ls			0		0		0	
1 minute				0		0		0	
	Absorption	·	IV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
(1 min/30	sec)	Т	erance:		Minimum			1	
Phase to			ase A	to Ground		to Ground		to Ground	
	n Resistanc out closed)			VDC		VDC		VDC	
		Mea	asurea		Measured		Measured		
30 second	IS			0		0		0	
1 minute		#0	)IV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
(1 min/30	Absorption	•	erance:		#DIV/0! Minimum	#DIV/0!	#DIV/U!	#DIV/U!	
(11111111111111111111111111111111111111		1016		C Overpot		(micro Am	noros)		
		1				(IIIICIOAIII	ihei es)		
			Phase	to Ground ( Closed)	Cutout	(	Cutout Ope	n	
at	VDC	Pha	ase A	Phase B	Phase C	Phase A	Phase B	Phase C	
Time	Test Volta	age							
0 min.	0								
1 min.	Increment	1							
2 min.	Increment 2	2							
3 min.	Increment	3							
4 min.	Increment 4	4							
5 min.	Increment 4								

		ELE	CTRIC	AL TEST SHEET					
	SU	IRGE ARREST	ER - M	EDIUM AND HIGH VO	DLTA	GE			
FACILITY:				Equip No:					
EQUIP LOCATION:				Contract No:					
TESTED BY:				Date: (dd/mm/yy)					
		GEN	IERAL	. INFORMATION					
Equipment ID:									
Associated Equipment:				Units per phase:					
Manufacturer:				Phase A serial#:					
Model Catalogue #:				Phase B serial#:					
Class:				Phase C serial#:					
Туре:				Circuit configuration:					
Housing/Enclosure:				Arrester connection:					
System Voltage:				System Grounding:					
Current:				MCOV rating:					
		VISU	AL IN	SPECTION DATA					
Legend: <b>G</b> = good	F= fair P	= poor <b>C</b> = corr	ected	N = needs repair NA	= not	applicable <b>NS</b> = not in scop	е		
INSPECTIONS		STATUS	COM	IMENTS					
Physical/mechanical co	ndition								
Anchorage									
Alignment									
Grounding									
Cleanliness									
Clearances									
Torque Bolted connecti	ions								
Bolted Connection Res	istance								
Arrestor Ground leads									
Stroke counter installat	ion								
Stroke counter reading			Read	ling:					
ADDITIONAL INFO:									

	SUR	GE ARRESTE	R - MEDIL	IM AND HIG	GH VOLTA	GE	
FACILITY:			Equi	p No:			
EQUIP LOCATION:			Cont	ract No:			
TESTED BY:			Date	: (dd/mm/yy	/)		
		ELE(	CTRICAL 1	EST DATA	<u>'</u>		
			Test Cond		•		
Ambient Temperature:		20	Relative h	umidity:			
Correction Factor		1.00					
	*	Insulation	Resistance	e Test (Meg	ohms)		
		Tolerance	20000	Megohms	minimum (	Table 100.1	)
		LA1	L	A2	L	A3	
	at	VDC		VDC		VDC	
	Measu	red Corrected	Measured		Measured		
30 seconds		0.0		0.0		0.0	
1 minute		0.0		0.0		0.0	
Dielectric Absorption	#DIV/		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
(1 min/30 sec)  Grounding connection to	Tolerar		Megohms	minimum			
ADDITIONAL INFO:							
ADDITIONAL INI O.							

			SWITCHGI	EAR A	AND SWITCHBOAR	D	
FACILITY:					Equip No:		
EQUIP LOCATION:					Contract No:		
ESTED BY:					Date: (dd/mm/yy)		
T					. INFORMATION		
Equipment ID:					Model/Catalogue#:		
Manufacturer:					Rated Voltage:		
Ground Ball tested/ve	rified (	(Equi <sub>l</sub>	pment ID's):				
Kirk Key Interlocks tes	sted/ve	erified	d (Equipment ID's	s):			
			VISU	AL IN	SPECTION DATA		
Legend: <b>G</b> = good	F= fa	air <b>P</b>	= poor <b>C</b> = corre	ected	N = needs repair NA	= not	applicable <b>NS</b> = not in scope
INSPECTIONS			STATUS	CON	IMENTS		
Physical/mechanical of	conditi	on					
Anchorage							
Alignment							
Grounding							
Clearances (Working	space	)					
Cleanliness							
Torque Bolted Connec	ctions						
Bolted Connection Re	sistan	се					
Electrical Interlock							
Mechanical Interlock							
Key Interlock							
Lubrication							
Insulator physical con-	dition						
Barrier installation/ope							
Shutter installation/op	eratio	n					
Active component ope							
Mechanical indicating	devic	es					
Filters and vents							
Identification signs							
Warning signs							
ADDITIONAL INFO:							

SWITCH - MEDIUM AND HIGH VOLTAGE, METAL ENCLOSED							
FACILITY:				Equip No:			
EQUIP LOCATION:		Contract No:					
TESTED BY:				Date: (dd/mm/yy)			
GENERAL INFORMATION							
Equipment ID:		OLIV	LIVAL	Manufacturer:		Year:	
Serial Number:				Style/CAT#:		i cai	
Model:				Circuit ID:			
System voltage:				Rated Voltage			
Current:				B.I.L			
FC:				MA			
		VISII	A I INI	SPECTION DATA			
Legend: <b>G</b> = good <b>F</b> = fa	air <b>P</b>				= not	applicable <b>NS</b> = not in scope	
INSPECTIONS		STATUS		IMENTS	- 1100	арриоавіс 110 — пості зооре	
Physical/mechanical conditi	on						
Anchorage							
Alignment							
Grounding							
Clearances (Working space	)						
Cleanliness							
Window							
Blade alignment							
Blade penetration							
Travel stops							
Mechanical operation							
Torque Bolted connections							
Bolted Connection Resistan	се						
Electrical Interlocks							
Mechanical Interlocks							
Phase barrier							
Control device operation							
Heaters							
Lubrication							
Arc interrupter operation							
ADDITIONAL INFO:							

	,	SWITCH - I	MEDIUM AN	D HIGH VO	DLTAGE, M	IETAL ENC	LOSED		
FACILITY:	CILITY:				Equip No:				
EQUIP LO	EQUIP LOCATION:				ract No:				
TESTED E	BY:			Date	: (dd/mm/yy	y)			
			ELE	CTRICAL T	EST DATA	1			
				Test Cond	litions				
Ambient To	emperature:		20	Relative h	ive humidity:				
Correction	Factor		1.00						
		*	Contact	Resistance	e (microOh	ıms)			
			Phase A		Phase	В		Phase C	
Fuse to Cli	ips								
Fuse Resis	stance								
Switchblad	le Resistance								
Arc interru	pter resistance								
			Insulation	Resistance	Test (Meg	johms)			
			Tolerance:	100000	Megohms	minimum (	Гable 100.1	)	
Open Swit	tchblade to	Ph	ase A	Pha	ise B	Phase C			
Bus Insula	ation	at	VDC	at	VDC	at	VDC		
Resistanc	e Test*	Measure	d Corrected	Measured	Corrected	Measured	Corrected		
30 second	S		0		0		0		
1 minute			0		0		0		
Dielectric	Absorption	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
(1 min/30 sec)		Tolerance	Tolerance: Megohms minimum					•	
	phase and phas during bus bar		d with switch	n closed ins	ulation resi	stance and	DC overpor	tential tests to be	
			DC Overpo	tential Tes	t (microAm	nperes)			
Open Switchblade to Bus DC Overpotential Test*		Ph	Phase A		Phase B		se C		
Time	Test Voltage								
0 min.	0					ļ			
1 min.	Increment 1								
2 min.	Increment 2								
3 min.	Increment 3								
4 min.	Increment 4								
5 min.	Increment 4								

SWITCH - MEDIUM AND HIGH VOLTAGE, METAL ENCLOSED							
FACILITY:		Equip No:					
EQUIP LOCATION:		Contract No:					
TESTED BY:		Date: (dd/mm/yy)					
	In	terlocks					
Key Interlocks:  N/A  Yes (list associated switches):		Electrical Interlocks:  N/A Yes (list associated switches):					
Operating Sequence:		Operating Sequence:					
ADDITIONAL INFO:							

SWITCH - MEDIUM AND HIGH VOLTAGE, OPEN								
FACILITY:				Equip No:				
EQUIP LOCATION:			Contract No:					
TESTED BY:				Date: (dd/mm/yy)				
GENERAL INFORMATION								
Equipment ID:				Manufacturer:		Year:		
Serial Number:				Style/CAT#:				
Model:				Circuit ID:				
System voltage:				Rated Voltage				
Current:				B.I.L				
FC:				MA				
		VISU	AL IN	SPECTION DATA				
Legend: <b>G</b> = good <b>F</b> :	= fair P				= not	applicable <b>NS</b> = not in scope		
INSPECTIONS		STATUS		IMENTS		<u> прринения на насиления на </u>		
Physical/mechanical con	dition							
Anchorage								
Alignment								
Grounding								
Clearances (Working spa	ace)							
Cleanliness								
Blade alignment								
Blade penetration								
Travel stops								
Expulsion limiting devices								
Mechanical operation								
Fuseholder support/conta	act							
Torque Bolted connection	ns							
Bolted Connection Resistance								
Electrical Interlocks								
Mechanical Interlocks								
Control device operation								
Lubrication								
Arc interrupter operation								
ADDITIONAL INFO:								

			SWIT	CH - MEDI	UM AND H	IGH VOLT	AGE, OPEN	I		
FACILITY	<b>':</b>					quip No:				
EQUIP LO	OCATION:					ontract No:				
TESTED	BY:					Date: (dd/mm/yy)				
				ELEC	CTRICAL T	EST DATA				
					Test Cond	itions				
Ambient T	Temperature	:	20 Relat			ive humidity:				
Correction				1.00						
			I	Contact	Resistance	(microOh	ms)			
			Р	hase A		Phase	В	Phase C		
Fuse to C	lips									
Fuse Res	istance									
Switchbla	de Resistan	се								
Arc interru	upter resista	nce								
						Test (Meg	•			
				Tolerance:		ohms minim se B		100.1) se C		
Open Sw	itchblade n Resistanc	<u>,</u>	Phase A			VDC		vDC		
Test	n Resistanc	<u> </u>	at Josephad	VDC		Corrected				
30 second		IV	leasureu	0	Measureu	0	Measureu	0		
1 minute				0		0		0		
	Absorption	n i	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Dielectric Absorption (1 min/30 sec)			olerance:		Megohms		#B1770.	#B1770.		
Phase to	•	F				to Ground	Phase C	to Ground		
Insulation Test (Swi	n Resistanc	e	at VDC		at VDC		at VDC			
closed)	ilcribiade	M	leasured	Corrected	Measured	Corrected	Measured	Corrected		
30 seconds				0		0		0		
1 minute				0		0		0		
Dielectric Absorption		n i	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
(1 min/30			olerance:		Megohms					
Perform ir	nsulation-res	istance			•			notes.		
		<u> </u>				t (microAm	peres)			
			Phase to Ground (Switch Closed)			Sw	itchblade O	pen		
at	VDC	F	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C		
Time	Test Volt	age								
0 min.	0									
1 min.	Increment	1								
2 min.	Increment	2								
3 min.	Increment	3								
4 min.	Increment	4								
5 min.	Increment	4								

SWITC	H - MEDIUM AND HIGH VOLTAGE, OPEN
FACILITY:	Equip No:
EQUIP LOCATION:	Contract No:
TESTED BY:	Date: (dd/mm/yy)
	Interlocks
Key Interlocks:	Electrical Interlocks:
N/A Yes (list associated switches	): N/A Yes (list associated switches):
Operating Sequence:	Operating Sequence:
ADDITIONAL INFO:	