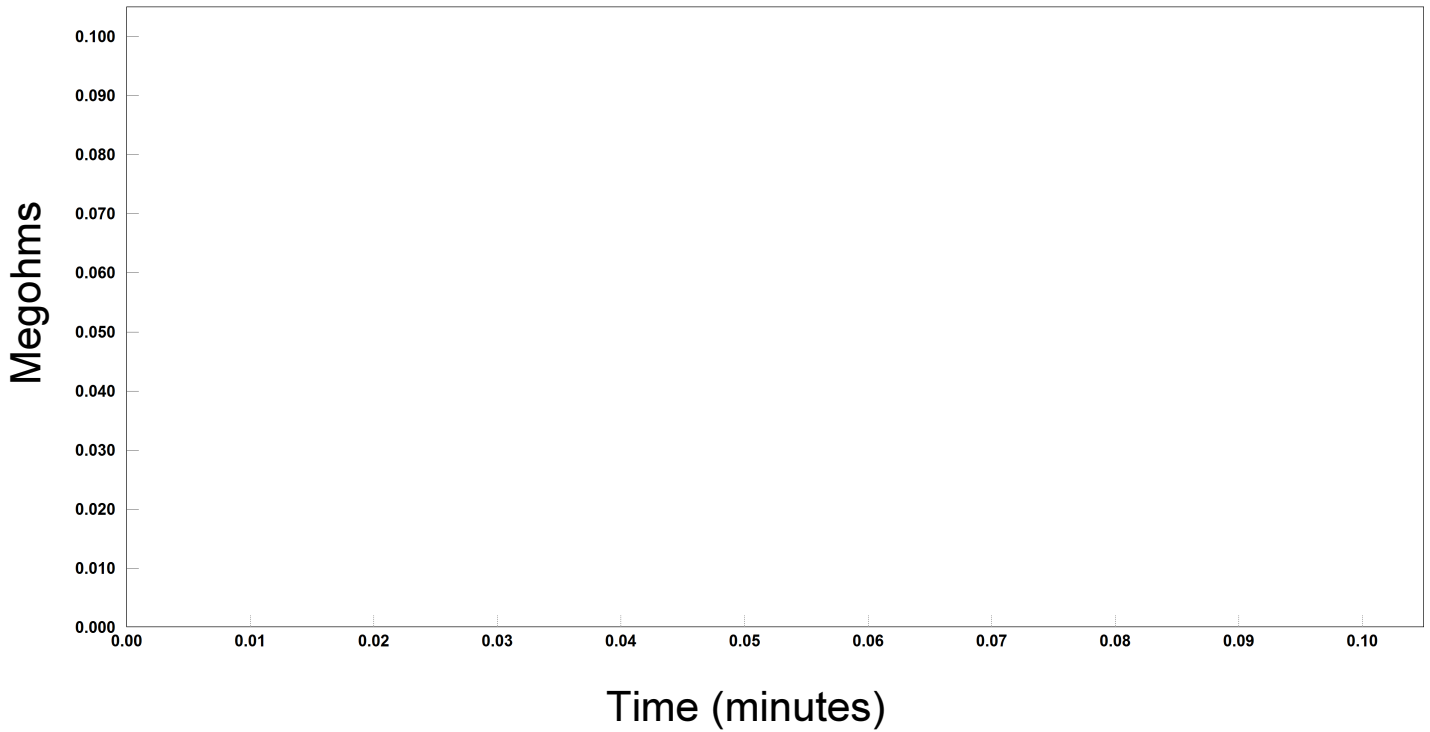




Polarization Index



PHASE A TO GROUND: Red Square

PHASE B TO GROUND: Blue Circle

PHASE C TO GROUND: Green Triangle

PHASE A TO B: Orange Star

PHASE B TO C: Purple Down Triangle

PHASE C TO A: Grey Diamond

COMMENTS:
DEFICIENCIES:



GENERATOR POLARIZATION INDEX (PI) TEST



OWNER Example Owner PAGE 3
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/10/2014
 SUBSTATION GENERATORS HUMIDITY _____ % JOB # GENERATORS
 POSITION AUTOMATED ASSET ID _____

GENERATOR NAMEPLATE DATA:

GENERATOR MFR. _____ MODEL NO. _____ S/N _____
 KVA _____ KW _____ VOLTS (KV) _____ AMPS _____ PHASE _____ FREQUENCY _____ RPM _____
 GENERATOR CONTROL MFR. _____ MODEL NO. _____ S/N _____
 GOVERNOR MFR. _____ YEAR MANUF. _____ TYPE CHOOSE
 VOLTAGE REG. MFR. _____ FRAME TYPE _____ OTHER _____

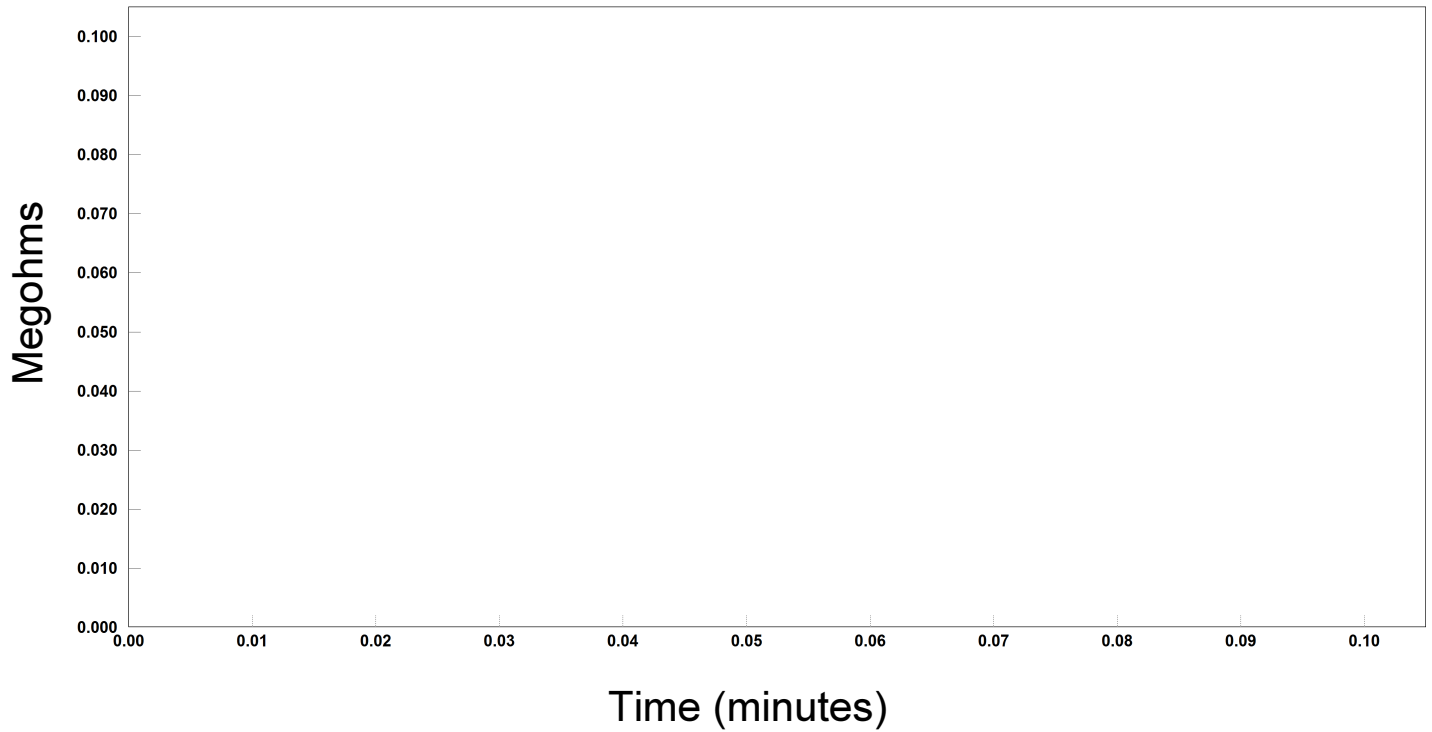
PHASE TO GROUND TEST VOLTAGE _____ KVDC Enter TCF Manually: TEMPERATURE CORRECTION FACTOR TO 20 °C _____
 CORE/COIL TEMPERATURE _____ °C Use Instrument PI Value: INSULATION TYPE DRY

MINUTES	PHASE A TO GROUND			PHASE B TO GROUND			PHASE C TO GROUND		
	READING (megohms)	TEMP. CORR. FACTOR	20°C READING (megohms)	READING (megohms)	TEMP. CORR. FACTOR	20°C READING (megohms)	READING (megohms)	TEMP. CORR. FACTOR	20°C READING (megohms)
0.25									
0.50									
0.75									
1.00									
2.00									
3.00									
4.00									
5.00									
6.00									
7.00									
8.00									
9.00									
10.00									
POLARIZATION INDEX									

POLARIZATION INDEX = 10 MINUTE READING / 1 MINUTE READING

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator

Polarization Index



PHASE A TO GROUND : Red Square

PHASE B TO GROUND : Blue Circle

PHASE C TO GROUND : Green Triangle

COMMENTS:
DEFICIENCIES:



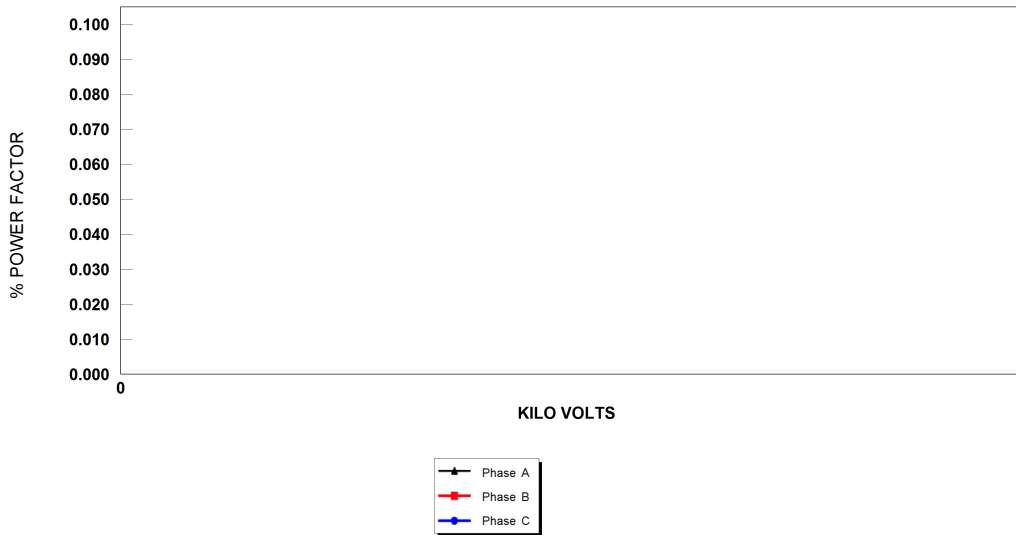
GENERATOR TIP UP TEST



Use T1, T2, T3

UNGROUNDING TIP UP TEST

	TEST ID	CIRCUIT DESCRIPTION	KV %	TEST KV	CAPACITANCE C (PF)	P.F. %		DIRECT		PF (%) TIP UP
						MEASURED		mA	WATTS	
TERMINAL 1	13	T1 MES T2 GND T3	25	2						
	14	T1 MES T2 GND T3	50	4						
	15	T1 MES T2 GND T3	75	6						
	16	T1 MES T2 GND T3	100	8						
TERMINAL 2	17	T2 MES T1 GND T3	25	2						
	18	T2 MES T1 GND T3	50	4						
	19	T2 MES T1 GND T3	75	6						
	20	T2 MES T1 GND T3	100	8						
TERMINAL 3	21	T3 MES T1 GND T2	25	2						
	22	T3 MES T1 GND T2	50	4						
	23	T3 MES T1 GND T2	75	6						
	24	T3 MES T1 GND T2	100	8						



MULTIPLE QUICK TESTS

TEST NO	INSULATION TESTED	TEST MODE	SUPPRESS.	TEST KV	Test Freq	L(H) CAP.(pF)	POWER FACTOR %			DIRECT		%VDF	IR
							MEAS.	@ 20°C	CORR.	mA	WATTS		
1		UST-R	Off						1.000				

COMMENTS:

DEFICIENCIES:



SWITCHGEAR CHECK LIST



OWNER Example Owner PAGE 7
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/10/2014
 SUBSTATION GENERATORS HUMIDITY _____ % JOB # GENERATORS
 POSITION GENERAL ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ SERIAL NO. _____ DWGS. _____
 VOLTAGE CLASS _____ TYPE _____
 CONSISTING OF: _____ TOTAL BREAKERS _____ TOTAL INSTRUMENTS _____ TOTAL RELAYS _____ MOLDED CASE BREAKERS
 EXTERNAL CONDITION: GOOD FAIR POOR

GENERAL INSPECTION OF EXTERIOR OF EQUIPMENT	
INSPECT FOR DAMAGE, BENT OR TWISTED DOORS	
INSPECT DOOR HANDLES, LOCKING BARS AND MECHANISM	
CHECK DOOR INTERLOCKS FOR PROPER OPERATION	
CHECK CONTROL KNOBS AND SWITCHES FOR FREEDOM OF MOVEMENT AND CONTACT CONDITION	
INSPECT FOR BROKEN INSTRUMENTS, RELAY COVER(S) AND GLASS	
INSPECT FOR PROPER GROUNDING OF EQUIPMENT	
INSPECT BUS AND SUPPORT INSULATORS	
CLEAN BUS INSULATORS	
DIELECTRIC TEST OF BUS WORK AND POTHEADS	
INSPECT CONTROL AND METERING TRANSFORMERS	
INSPECT AND CHECK INSTRUMENTS	
CHECK CONDITION OF WIRING AND TERMINAL CONNECTIONS	
REMOVE DRAWOUT BREAKERS	
CHECK RAILS, GUIDES, ROLLERS AND SHUTTER MECHANISM	

INSPECT BREAKER AND CELL CONTACTS	
VACUUM AND CLEAN INTERIOR OF CUBICLES	
LUBRICATE DRAWOUT ASSEMBLY	
CHECK CELL INTERLOCKS AND AUXILIARY CONTACT ASSEMBLIES	
PERFORM BREAKER INSPECTION AND TEST	
INSPECT AND PERFORM INSULATION TEST OF POWER CABLE / BUS TO GROUND	
RESTORE CONTROL POWER TO SWITCHGEAR	
CHECK RELAYS FOR POSITIVE TRIPPING	
TEST ANNUNCIATOR-ALARM FOR TARGET	
CHECK PANEL LIGHTS FOR OPERATION: BURNED OUT / MISSING BULBS AND LAMP COVERS	
OPERATE CLOSE AND TRIP BREAKER CONTROLS	
CHECK AUTOMATIC TRANSFER OPERATION	
MAKE FINAL VISUAL INSPECTION: REMOVE LEADS, TOOLS, ETC.	
NOTE AND REPORT ANY UNMARKED CIRCUITS	
REPORT UNSAFE CONDITIONS	

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



GENERATION SYSTEMS SYSTEM STATUS AND SHUTDOWN TESTS



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION GENERATORS
 POSITION GENERAL

PAGE 9
 AMBIENT TEMP. _____ °F
 HUMIDITY _____ %
 DATE 10/10/2014
 JOB # GENERATORS
 ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 CATALOG NO. _____ SYSTEM VOLTAGE _____ AMPACITY _____
 WIRING NO. _____ INSTALLED OPTIONS _____

DESCRIPTION	INSPECTED	CONDITION	CLEAN/LUBE
OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MECHANICAL CONNECTIONS	<input type="checkbox"/>		

DESCRIPTION	INSPECTED	CONDITION	CLEAN/LUBE
ENVIRONMENTAL CONDITION	<input type="checkbox"/>		
OPERATING MECHANISMS	<input type="checkbox"/>		

STATUS TITLE INDICATIONS	ALARM INITIATED			SIREN ACTIVATED			INDICATOR LAMP ACTIVATED		
	1	2	3	4	5	6	7	8	9
GENERATOR NUMBER									
CIRCUIT BREAKER OPEN									
CIRCUIT BREAKER CLOSED									
CIRCUIT BREAKER TRIP SHUTDOWN									
CIRCUIT BREAKER CLOSE FAILURE									
OVERCRANK SHUTDOWN*									
OVERSPEED SHUTDOWN*									
LOW OIL PRESSURE SHUTDOWN*									
HIGH OIL TEMPERATURE SHUTDOWN*									
HIGH WATER TEMPERATURE SHUTDOWN*									
HIGH EXHAUST TEMPERATURE SHUTDOWN*									
HIGH CRANKSHAFT PRESSURE*									
REVERSE POWER SHUTDOWN									
REVERSE VARS SHUTDOWN									
EMERGENCY STOP*									
HIGH WATER TEMPERATURE PRE-ALARM									
LOW WATER LEVEL PRE-ALARM*									
LOW WATER TEMPERATURE									
LOW OIL PRESSURE PRE-ALARM *									
HIGH EXHAUST TEMPERATURE PRE-ALARM *									
HIGH INLET AIR TEMPERATURE *									
LOW BOILER WATER LEVELS									
COMPRESSED AIR SHUTDOWN									
HIGH WATER LEVEL									
EMERGENCY WATER FEED									
FAILURE TO SYNCHRONIZE									
CONTROL VOLTAGE FAILURE									
CONTROLS NOT IN AUTOMATIC									
ENGINE RUNNING *									
AUTOMATIC START									
BATTERY CHARGER FAILURE									
PROGRAMMER LOGIC CONTROLLER STOPPED									
HIGH STEAM PRESSURE									
HIGH BATTERY VOLTAGE									
LOW BATTERY VOLTAGE									

* THE ALARM / SHUTDOWN WAS SIMULATED AT THE ENGINE GENERATOR AND VERIFIED AT THE SWITCHGEAR.

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



BI-ANNUAL ENGINE-GENERATOR PREVENTIVE MAINTENANCE REPORT



OWNER Example Owner PAGE 10
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/10/2014
 SUBSTATION GENERATORS HUMIDITY _____ % JOB # GENERATORS
 POSITION GENERAL ASSET ID _____

GENERATOR NAMEPLATE DATA:

GENERATOR MFR. _____ MODEL NO. _____ S/N _____
 KVA _____ kW _____ VOLTS _____ AMPS _____ PHASE _____ CYCLES _____ RPM _____
 GENERATOR CONTROL MFR. _____ MODEL NO. _____ S/N _____
 GOVERNOR MFR. _____ MODEL NO. _____ S/N _____
 VOLTAGE REG. MFR. _____ MODEL NO. _____ S/N _____

ENGINE NAMEPLATE DATA:

MANUFACTURER _____ SERIAL NUMBER _____

AIR CLEANER	LOW	OK	HIGH	COMMENTS
AIR CLEANER ELEMENTS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
AIR CLEANER SEALS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
AIR CLEANER INDICATOR	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

BATTERY SYSTEM	LOW	OK	HIGH	COMMENTS
CABLES AND CONNECTIONS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CHARGER RATE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CRANKING VOLTAGE DROP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
ELECTROLYTE LEVEL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
OVERALL VOLTAGE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
SPECIFIC GRAVITY OF EACH CELL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

LUBRICATION SYSTEM	LOW	OK	HIGH	COMMENTS
CLEAN CRANKCASE BREATHER VENT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CLEAN PRIMARY FILTER	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CRANKCASE BLOWBY	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CRANKCASE OIL LEVEL WITH ENGINE OFF	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CRANKCASE OIL LEVEL WITH ENGINE RUNNING	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
GOVERNOR OIL LEVEL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
LUBRICATE GENERATOR BEARING & FAN PULLY	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
SAMPLE CRANKCASE OIL FOR LABORATORY TESTING	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	



BI-ANNUAL ENGINE-GENERATOR PREVENTIVE MAINTENANCE REPORT



EXHAUST & MECHANICAL SYSTEM	LOW	OK	HIGH	COMMENTS
ABNORMAL NOISE OR VIBRATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
DRAIN MOISTURE TRAPS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
EXTERIOR OPENING COVER	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
FLEXIBLE COUPLINGS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
INSULATING MATERIALS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
LOOSE BOLTS ON STRUCTURAL MOUNTINGS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
SUPPORTS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

FUEL SYSTEM	LOW	OK	HIGH	COMMENTS
CONDITION OF HOSES & PIPE FITTINGS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
DAY TANK ALARMS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
DAY TANK LEAKS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
DAY TANK PUMP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
DRAIN WATER & SEDIMENT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

GENERATOR	LOW	OK	HIGH	COMMENTS
AIR GAP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
COLLECTOR BRUSHES	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
COLLECTOR RINGS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
DIRT / OIL / GREASE ACCUMULATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
POWER FEEDER CONNECTIONS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
POWER FEEDER INSULATION TESTS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

GOVERNOR	LOW	OK	HIGH	COMMENTS
GOVERNOR OPERATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
LINKAGE OPERATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
OIL LEVEL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

RADIATOR	LOW	OK	HIGH	COMMENTS
AIR FLOW THROUGH CORE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
ANTIFREEZE & INHIBITOR STRENGTH	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CAP & SEAL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
COOLANT LEVEL - ENGINE HOT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
COOLANT LEVEL - ENGINE COOL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
FAN BELT CONDITION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
FAN BELT TENSION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
JACKET WATER HEATER OPERATING TEMPERATURE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
LEAKS - BEFORE RUNNING	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
LEAKS - AFTER RUNNING	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
LOUVER OPERATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	



BI-ANNUAL ENGINE-GENERATOR PREVENTIVE MAINTENANCE REPORT



WIRING - CONTROL	LOW	OK	HIGH	COMMENTS
AMMETER OPERATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
AUTOMATIC / MANUAL MODE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CONTROL RELAYS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CRANK TERMINATION RESET	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
CRANK TERMINATION TIME	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
FREQUENCY METER OPERATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
OIL PRESSURE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
PROPER OPERATION OF ALL PRE-ALARMS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
PROPER OPERATION OF ALL SHUTDOWNS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
TEMPERATURE GAUGE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
TERMINAL STRIP CONNECTIONS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
VOLTMETER OPERATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

CORRECTIVE ACTION COMPLETED:

ADDITIONAL SERVICES REQUIRED:

COMMENTS:
DEFICIENCIES:

TEST EQUIPMENT USED: _____

TESTED BY: Default Administrator



GENERATION SYSTEMS SYSTEM STATUS AND SHUTDOWN TESTS



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION GENERATORS
 POSITION GENERAL

PAGE 13
 AMBIENT TEMP. _____ °F
 DATE 10/10/2014
 HUMIDITY _____ %
 JOB # GENERATORS
 ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 CATALOG NO. _____ SYSTEM VOLTAGE _____ AMPACITY _____
 WIRING NO. _____ INSTALLED OPTIONS _____

DESCRIPTION	INSPECTED	CONDITION	CLEAN/LUBE
OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MECHANICAL CONNECTIONS	<input type="checkbox"/>		

DESCRIPTION	INSPECTED	CONDITION	CLEAN/LUBE
ENVIRONMENTAL CONDITIONS	<input type="checkbox"/>		
OPERATING MECHANISMS	<input type="checkbox"/>		

STATUS TITLE INDICATIONS	ALARM INITIATED			SIREN ACTIVATED			INDICATOR LAMP ACTIVATED		
	1	2	3	4	5	6	7	8	9
GENERATION NUMBER									
LOW OIL PRESSURE PRE-ALARM *									
HIGH EXHAUST TEMPERATURE PRE-ALARM *									
HIGH INLET AIR TEMPERATURE *									
LOW BOILER WATER LEVELS									
COMPRESSED AIR SHUTDOWN									
HIGH WATER LEVEL									
EMERGENCY WATER FEED									
FAILURE TO SYNCHRONIZE									
CONTROL VOLTAGE FAILURE									
CONTROLS NOT IN AUTOMATIC									
ENGINE RUNNING *									
AUTOMATIC START									
BATTERY CHARGER FAILURE									
PROGRAMMER LOGIC CONTROLLER STOPPED									
HIGH STEAM PRESSURE									
HIGH BATTERY VOLTAGE									
LOW BATTERY VOLTAGE									

THE ALARM / SHUTDOWN WAS SIMULATED AT THE ENGINE GENERATOR AND VERIFIED AT THE SWITCHGEAR.

FORM 19200 (GENERATION SYSTEMS SYSTEM STATUS AND SHUTDOWN B1) MUST BE COMPLETED ALSO.

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



ANNUAL ENGINE-GENERATOR PREVENTATIVE MAINTENANCE REPORT



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION GENERATORS
 POSITION GENERAL

PAGE 14
 AMBIENT TEMP. _____ °F
 DATE 10/10/2014
 HUMIDITY _____ %
 JOB # GENERATORS
 ASSET ID _____

GENERATOR NAMEPLATE DATA:

GENERATOR MFR. _____ MODEL NO. _____ S/N _____
 kVA _____ kW _____ VOLTS _____ AMPS _____ PHASE _____ CYCLES _____ RPM _____
 GENERATOR CONTROL MFR. _____ MODEL NO. _____ S/N _____
 GOVERNOR MFR. _____ MODEL NO. _____ S/N _____
 VOLTAGE REG. MFR. _____ MODEL NO. _____ S/N _____

ENGINE NAMEPLATE DATA:

MANUFACTURER _____ SERIAL NUMBER _____

<input type="checkbox"/>	CHECK RADIATOR CORE FOR PROPER AIR FLOW	
<input type="checkbox"/>	CHECK COOLANT FOR ANTI-FREEZE PROTECTION AND INHIBITOR STRENGTH	
<input type="checkbox"/>	CHECK COOLANT LEVEL, WITH ENGINE COOL AND WITH ENGINE HOT	
<input type="checkbox"/>	CHECK RADIATOR CAP AND SEAL	
<input type="checkbox"/>	VERIFY THAT JACKET WATER HEATER IS OPERATING PROPERLY	
<input type="checkbox"/>	CHECK FOR COOLANT LEAKS BEFORE, DURING AND AFTER RUNNING ENGINE	
<input type="checkbox"/>	CHECK LUBE OIL LEVEL WITH ENGINE OFF AND WITH ENGINE RUNNING	
<input type="checkbox"/>	CHECK FAN BELT TENSION	
<input type="checkbox"/>	CHECK CONDITION OF HOSES AND HOSE CLAMPS	
<input type="checkbox"/>	CHECK CONDITION OF FLEXIBLE FUEL LINES	
<input type="checkbox"/>	CHECK FUEL SYSTEM FOR LEAKS, AND CHECK DAY TANK PUMPS AND ALARMS	
<input type="checkbox"/>	CHECK BATTERY SPECIFIC GRAVITY AND ELECTROLYTE LEVEL - RECORD	
<input type="checkbox"/>	CHECK BATTERY VOLTAGE AND BATTERY CHARGER RATE - RECORD	
<input type="checkbox"/>	CHECK BATTERY CABLES AND CONNECTIONS	
<input type="checkbox"/>	CHECK EXHAUST SYSTEM, INCLUDING FLEXIBLE COUPLINGS, DRAIN MOISTURE TRAPS	
<input type="checkbox"/>	CHECK AIR CLEANER ELEMENTS, SEALS, AND AIR CLEANER INDICATOR	
<input type="checkbox"/>	CHECK TERMINAL STRIP CONNECTIONS	
<input type="checkbox"/>	CHECK POWER FEEDER CONNECTIONS AT THE GENERATOR	
<input type="checkbox"/>	CHECK INSULATION ON GENERATOR LEADS - PERFORM MEGGAR TEST - RECORD	
<input type="checkbox"/>	CHECK FOR LOOSE RELAYS IN CONTROL PANEL	
<input type="checkbox"/>	CHECK GOVERNOR OIL LEVEL (IF APPLICABLE)	
<input type="checkbox"/>	CHECK GOVERNOR AND LINKAGE FOR PROPER OPERATION	



ANNUAL ENGINE-GENERATOR PREVENTATIVE MAINTENANCE REPORT



<input type="checkbox"/>	CHECK AIR GAP ON GENERATOR	
<input type="checkbox"/>	CHECK COLLECTOR RING AND BRUSHES	
<input type="checkbox"/>	CHECK FOR OIL AND DIRT BUILD UP IN GENERATOR	
<input type="checkbox"/>	CHECK GENERATOR INSTALLATION FOR LOOSE BOLTS, ETC.	
<input type="checkbox"/>	CHECK CRANK TERMINATION TIME AND CRANKING VOLTAGE DROP - RECORD	
<input type="checkbox"/>	CHECK ALL ENGINE INSTRUMENTS FOR PROPER OPERATION	
<input type="checkbox"/>	CHECK FOR ABNORMAL NOISE OR VIBRATION	
<input type="checkbox"/>	CHECK FOR PROPER LOUVER OPERATION, (WHERE APPLICABLE)	
<input type="checkbox"/>	VERIFY PROPER OPERATION OF ALL PRE-ALARMS AND SHUTDOWN DEVICES	
<input type="checkbox"/>	CHECK CRANKSHAFT BLOWBY, AND CLEAN CRANKCASE BREATHER	
<input type="checkbox"/>	VERIFY PROPER VOLTAGE AND FREQUENCY - RECORD	
<input type="checkbox"/>	DRAIN WATER AND SEDIMENT FROM DAY TANK	
<input type="checkbox"/>	LUBRICATE GENERATOR BEARING AND FAN PULLEY	
<input type="checkbox"/>	CLEAN PRIMARY FILTER	
<input type="checkbox"/>	TAKE OIL SAMPLE FOR DETAILED OIL ANALYSIS	
<input type="checkbox"/>	CLEAN THE PRIMARY FUEL FILTER SCREEN AND REPLACE THE FUEL FILTER ELEMENTS	
<input type="checkbox"/>	CHANGE LUBE OIL AND FILTERS	
<input type="checkbox"/>	PERFORM A FOUR HOUR LOADBANK TEST AT FULL LOAD	
<input type="checkbox"/>	CHECK THAT ALL SWITCHES ARE LEFT IN PROPER MODE	
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

CORRECTIVE ACTION TAKEN:

ADDITIONAL SERVICES REQUIRED:

COMMENTS:
DEFICIENCIES:

TEST EQUIPMENT USED: _____

TESTED BY: Default Administrator



CO-GENERATION SYSTEM SYSTEM STATUS & SHUTDOWN TESTS



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION GENERATORS
 POSITION GENERAL

PAGE 16
 AMBIENT TEMP. _____ °F
 DATE 10/10/2014
 HUMIDITY _____ %
 JOB # GENERATORS
 ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 CATALOG NO. _____ SYSTEM VOLTAGE _____ AMPACITY _____
 WIRING NO. _____ INSTALLED OPTIONS _____

DESCRIPTION	INSPECTED	CONDITION	CLEAN/LUBE
OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MECHANICAL CONNECTIONS	<input type="checkbox"/>		

DESCRIPTION	INSPECTED	CONDITION	CLEAN/LUBE
ARC CHUTES	<input type="checkbox"/>		
OPERATING MECHANISM	<input type="checkbox"/>		
CONTACT SEQUENCE	<input type="checkbox"/>		

INDICATION	ALARM INITIATED	SIREN ACTIVATED	INDICATOR LAMP ACTIVATED
EG-1 RUNNING			
EG-1 ON LINE			
EG-1 LOCKED OUT			
MANUAL PARALLEL AVAILABLE			
BUS OVERLOAD			
EG-2 RUNNING			
EG-2 ON LINE			
EG-2 LOCKED OUT			
PRI-2 LOAD SHED ACTIVE			
PRI-2 LOAD SHED BYPASSED			
EG-3 RUNNING			
EG-3 ON LINE			
EG-3 LOCKED OUT			
PRI-3 LOAD SHED ACTIVE			
PRI-3 LOAD SHED BYPASSED			
LOAD DEMAND OPERATION			
PLC STOPPED			
PLC BATTERY CHARGER FAILURE			
BUS OVER FREQUENCY			
BUS UNDER VOLTAGE			
BUS OVER VOLTAGE			
EMERGENCY OPERATION			
CO-GENERATION OPERATION			

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator

