

**Generator Systems
Inspection/Preventive Maintenance Checklist**



Dealer Code		Customer Name									
Generator Set Location/Address			Contact Name			Telephone No.					
Engine Model		Engine Serial No.		Engine Hr. Meter		Date					
Generator Model		Generator Serial No.		KW Rating		Voltage					
Transfer Switch Model		Transfer Switch Serial No.		Unit No.		TI Level					
System Items		Satisfactory Yes No		Comments		System Items		Satisfactory Yes No		Comments	
Generator and Controlling System						Lubrication System					
Control Panel & Wiring		<input type="checkbox"/>	<input type="checkbox"/>			Oil		<input type="checkbox"/>	<input type="checkbox"/>		
Breaker Assembly		<input type="checkbox"/>	<input type="checkbox"/>			MTU Oil Analysis		<input type="checkbox"/>	<input type="checkbox"/>	Date of Sample	
Strip Heaters		<input type="checkbox"/>	<input type="checkbox"/>			Oil Filters		<input type="checkbox"/>	<input type="checkbox"/>		
Remote Annunciators/Alarms		<input type="checkbox"/>	<input type="checkbox"/>			Oil Pressure		<input type="checkbox"/>	<input type="checkbox"/>	PSI	
Rotating Rectifier		<input type="checkbox"/>	<input type="checkbox"/>			Crankcase Ventilation		<input type="checkbox"/>	<input type="checkbox"/>		
Main Rotor/Stator		<input type="checkbox"/>	<input type="checkbox"/>			Lube System Gasket Seals		<input type="checkbox"/>	<input type="checkbox"/>		
Phase Bar/Isolators		<input type="checkbox"/>	<input type="checkbox"/>			Fuel System					
Regulator/Wiring		<input type="checkbox"/>	<input type="checkbox"/>			Fuel Line Connections		<input type="checkbox"/>	<input type="checkbox"/>		
Starting System						Fuel Filters Primary/Secondary		<input type="checkbox"/>	<input type="checkbox"/>		
Batteries		<input type="checkbox"/>	<input type="checkbox"/>	Load Test		Fuel Pressure		<input type="checkbox"/>	<input type="checkbox"/>	PSI	
Battery Charger		<input type="checkbox"/>	<input type="checkbox"/>	Float Rate VDC		Governor/Connections		<input type="checkbox"/>	<input type="checkbox"/>		
Starting Motor		<input type="checkbox"/>	<input type="checkbox"/>			Set Tank/Day Tank		<input type="checkbox"/>	<input type="checkbox"/>		
Alternator		<input type="checkbox"/>	<input type="checkbox"/>	Output VDC		Regulator/NG PSI		<input type="checkbox"/>	<input type="checkbox"/>		
Ignition		<input type="checkbox"/>	<input type="checkbox"/>			Coolant System					
Solenoids		<input type="checkbox"/>	<input type="checkbox"/>			Radiator		<input type="checkbox"/>	<input type="checkbox"/>		
Eng. Wiring Harness/Sensors		<input type="checkbox"/>	<input type="checkbox"/>			Heat Exchanger		<input type="checkbox"/>	<input type="checkbox"/>		
Air Intake & Exhaust System						Coolant		<input type="checkbox"/>	<input type="checkbox"/>	Last Coolant Sample	
Air Filters		<input type="checkbox"/>	<input type="checkbox"/>			Gaskets/Seals		<input type="checkbox"/>	<input type="checkbox"/>		
Air Intake Assembly		<input type="checkbox"/>	<input type="checkbox"/>			Hoses & Connections		<input type="checkbox"/>	<input type="checkbox"/>		
Charge Air Cooler		<input type="checkbox"/>	<input type="checkbox"/>			Water Jacket Heater		<input type="checkbox"/>	<input type="checkbox"/>	Temperature	
Exhaust Assembly		<input type="checkbox"/>	<input type="checkbox"/>			Fan Drive & Pulley Assembly		<input type="checkbox"/>	<input type="checkbox"/>		
Turbo Assembly		<input type="checkbox"/>	<input type="checkbox"/>			Fan Belts		<input type="checkbox"/>	<input type="checkbox"/>		
Silencer/Muffler		<input type="checkbox"/>	<input type="checkbox"/>			Transfer Switch					
Intercooler		<input type="checkbox"/>	<input type="checkbox"/>			Utility VAC		A	B	C	
Load Calculation (NFPA110)						Line to Neutral VAC		A	B	C	
Name Plate KVA: _____ x .3 = _____ (30% Rating)						Emergency VAC		A	B	C	
Amps: L1 _____ + L2 _____ + L3 _____ = _____ Amps ÷ 3 = _____ Avg Amps						Line to Neutral VAC		A	B	C	
Avg Amps: _____ x Volts: _____ x 1.732 (for 3ph) ÷ 1000 = _____ KVA						Amps		A	B	C	
If final KVA calculation is greater than 30% of name plate value = "Pass" If final KVA calculation is less than 30% of name plate value = "Fail"						Phase Rotation		CCW <input type="checkbox"/>	CW <input type="checkbox"/>	Hz	
Comments & Recommendations											
Service Technician				Date		Customer Representative				Date	