



GENERATOR MAINTENANCE CHECKLIST Annual PM

Date: _____

Location:		Hours:	
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SYSTEM	COMPLETED		CHECK	COMMENTS
COOLING	Y	N	Hoses (leaks, condition, connections)	
	Y	N	Radiator (leaks, blockage, damage)	
	Y	N	Drive belts (condition, adjustment)	
	Y	N	Coolant heater operation (adjust)	
	Y	N	Water pump (leaks)	
	Y	N	Operating temperature ° F	
	Y	N	Fan (condition, cracks, lube bearing)	
	Y	N	Coolant level / protection ° F	
	Y	N	Coolant concentration % (50/50)	
	Y	N	DCA filters (change and date)	

FUEL	Y	N	Hoses (leaks, condition, connections)	
	Y	N	Day tank (leaks, operation)	
	Y	N	Transfer pump (leaks, operation)	
	Y	N	Governor (linkage, operation, adjustment)	
	Y	N	Water separator (drain, sediment)	
	Y	N	Fuel filters (change and date)	

MAIN FUEL / BASE TANK	Y	N	General condition (visual)	
	Y	N	Fuel level gauge (operation)	
	Y	N	Fuel level gauge reading	
	Y	N	Fuel level (stick) inches gallons	
	Y	N	Low level alarm (check)	
	Y	N	High level alarm (check)	
	Y	N	Rupture basin alarm (check)	

INTAKE/ EXHAUST	Y	N	Piping (leaks, restriction, condition)	
	Y	N	Rain cap (condition)	
	Y	N	Crankcase breather (clean if needed)	
	Y	N	Turbocharger (leaks, operation)	
	Y	N	Air filter (check, change if needed)	

LUBRICATION	Y	N	Oil level	
	Y	N	Oil pressure psi	
	Y	N	Leaks (hoses, connections)	
	Y	N	Oil sample	
	Y	N	Engine oil change (as required by hours or sample)	
	Y	N	Oil filters (change and date)	



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SYSTEM	COMPLETED		CHECK	COMMENTS
D/C ELECTRIC	Y	N	Batteries (fluid level, condition, connections)	
	Y	N	Battery voltage drop (cranking) vdc	
	Y	N	Battery charger operating voltage vdc	
	Y	N	Battery charging alternator vdc	
	Y	N	Engine wiring (visual, shorts, breaks)	
	Y	N	Warning/shutdown safety tests:	
			overspeed overcrank	
			low water temp high water temp	
		low water level low oil pressure		

A/C ELECTRIC GENERATOR	Y	N	A/C output voltage L-L L-N	
	Y	N	Frequency (no load) Hz	
	Y	N	Load: amps per phase A B C	
	closed	open	A/C output breaker position tripped	
	Y	N	Wiring (controls, breaker, regulator)	
	Y	N	Voltage regulator / rectifier (visual check)	
	Y	N	Stator & rotor (visual check)	

TRANSFER SWITCH / PSG	Y	N	MTS, ATS or PSG test (with approval)	
	Y	N	Run under load (with approval)	
	Y	N	Timers (adjust to needs)	
	Y	N	Indicating lamps/LEDs (check)	
	Y	N	Annunciator (test operation)	

GENERAL CONDITION	Y	N	Engine room/enclosure (cleanliness, ventilation)	
	Y	N	Controller start position auto off manual	
	Y	N	Hour meter (operation run time)	
	Y	N	Log (date, sign, comments)	
	Y	N	Mounts (check)	

SUGGESTED REPAIRS:

GENERATOR TECHNICIAN:

SIGNATURE: