



## START-UP INSPECTION (S.U.I) CHECKLIST

Facility Identification (Name):			
Address:		City :	
State/Providence:	Postal Code:	Country:	
S.U.I. Test Date:	Clarke Genset Model:	Genset/Engine Serial Number:	
Alternator Model #:	Alternator Serial #:	ATS Model #:	ATS Serial #:
<b>Utility Service</b>		<b>Generator Service</b>	
Phase _____ Phase Rotation _____		Phase _____ Phase Rotation _____	
Volts _____ Amps _____		Volts _____ Amps _____	

### Inspection Requirements

Engine Full Load RPM:	Engine Oil Pressure at Full Load (PSI):	Stabilized Engine Temp. at Full Load(°F):
Full Load Acceptance up to rating (kW):	Amps at Full Load Acceptance (A):	Volts at Full Load Acceptance (V):

**Check and Correct as Necessary**  
(Make necessary comments at bottom of form)

#### STATIC CHECKS\* (Pre-Start - up):

- Genset is secured to foundation.
- Alignment and tension of belts
- Fluid Levels (oil, coolant, battery, etc.)
- Radiator piping secured and free of leaks, kinks, etc.
- Engine block-heater and battery charger connected to a dedicated AC power source and operating correctly.
- Generator room air supply and ventilation equipment complete, adequate, and functional Size of inlet air louver \_\_\_\_ x \_\_\_\_ (Open Units Only)
- No leaks in fuel, water, or exhaust systems
- Fuel supply and return lines connected, -no galvanized or copper piping, tank at proper elevation, tank filled
- Bleed air from fuel lines
- Batteries correct size, filled, secured, connected, and charged
- Exhaust system complete and supported by the building structure, rain protected
- AC wires correctly sized and installed
- Air cleaner mounted, protective covering removed
- Warranty Registration for engine submitted by mail to Clarke Power Generation, Inc

- Connection by customer is correct to the terminal strip in genset housing.

#### RUNNING CHECKS:

- Manual start and shutdown at unit mounted controller with controller in manual
- Start the Genset unit with a remote switch while controller is in automatic by using ATS test or remote start switch.
- Check DC alternator output Amps: \_\_\_\_\_ Volts: \_\_\_\_\_
- Engine gauges reading correctly on controller
- Check communication between controller and annunciator if applicable.
- Check automatic shutdowns (low oil pressure, high coolant temperature, and overspeed
- Check all AC wiring connections
- Record actual running values in Table 1 below.
- Final hour meter reading: \_\_\_\_\_
- Work performed by: \_\_\_\_\_

**Table 1: Genset running values**

	Genset kVA	Genset Amps	Genset Volts	Frequency (Hz)	Oil Pressure (PSI)	Coolant Temp (°F)
<b>Load</b>						
<b>No-Load</b>						

\* For Electronic Engines Only: With controller in manual mode, switch the diagnostic power switch to the on position to test engine sensors

Comments:

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Genset Dealer: _____	Serviced by: _____
Address: _____	Address: _____
City: _____	City: _____
Postal Code: _____ Country: _____	Postal Code: _____ Country: _____