

# Duke Preventive Maintenance Generator Load Test

Generator  Run Date  Operator

Is this a Load Bank Test run?  (Check if Yes) What type of Load Bank test?  (Annual, Triennial, Both)

Is this run made at the request of Duke Power Company to lessen the draw on the commercial power grid?  (Check if Yes)

Is this the monthly Load Test run?  (Check if Yes)

**Pre-Run Checks**

Was PPE (Personal Protection Equipment) utilized?  (Check if Yes)

Was the Oil Level checked?  (Check if Yes) Was Oil Added?  (Check if Yes) In quarts, oil added:

Was Day Tank proper operation verified?  (Enter Yes, No, or NA if not applicable) Day Tank fuel level:  (Enter the indicated gallons/level)

Is the main fuel tank Electronic Fuel Monitor operational?  (Enter Yes, No, or NA if not applicable) Main tank fuel level (gallons):

Was the fuel system tested for water contamination?  (Enter Yes, No, or NA if not applicable)

If water contamination is present, 3232 work order # opened to purge the water:

Was the Block Heater checked?  (Enter Yes, No, or NA if not applicable)

Was the battery charger operating?  (Check if Yes) DC Volts  DC Amps

Was the battery water level OK when checked?  (Check if Yes) If No, was distilled water added to correct level?  (Check if Yes)

Any sign of corrosion on the battery?  (Check if Yes)

If water contamination is present, 3232 work order # opened to remove the corrosion:

Was BAS (Building Automation System) personnel notified prior to the test?  (Check if Yes)

Did the system pass the Power Failure Simulation test?  (Check if Yes)

**Test Specifics:**

Engine START reading  Engine STOP reading  From initiation of start, does EPSS operate within 10 seconds?  (Check if Yes)

Observed Readings	Volts AC			Amps			Hertz	Oil Press.	Water Temp.	Exhaust Temp1		Exhaust Temp2	
	A - B	B - C	C - A	A	B	C				Left	Right	Left	Right
after 5 min. run	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
after 30 min. run	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
End Of Test run	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Post-Run Checks:**

At the end of the test, was the EPSS left in the normal operating position?  (Check if Yes)

Was Automatic Transfer Switch operation verified?  (Check if Yes)

Did the load test achieve 30% of the generator name plate reading?  (Check if Yes)

(All additional pertinent information should be noted in the Comments field below.)

Comments: