

# CHARLES EQUIPMENT ENERGY SYSTEMS

# LOAD BANK TESTING

**Customer:** Central States Diesel Generators CSDG Stk# 2102

**Address:** 2001 S Prairie Ave

**City/ State/ Zip** Waukesha/ WI/ 53189

**Contact:** Patrick Paden

**Phone:** 262-955-7655

**R#:** 3697

**Test Date** 5/18/2017

**Engine Make/ Model:** Cummins NT-855-G6

**Engine Spec/ Serial:** 30347209

**Unit Make/ Model:** Onan 275DFBF

**Unit Spec/ Serial:** 70152K H940551676

**Voltage:** 277/480

**Amperage:** 331

**Kilowatts:** 275

**Power Factor** 1

|                             | 5 Min. | 15 Min. | 30 Min.  | 45 Min.  | 1 Hour  | 1-1/2 Hr. | 2 Hours | 2-1/2 Hr. | 3 Hours | 3-1/2 Hr. | 4 Hours | Cool Down |
|-----------------------------|--------|---------|----------|----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| <b>Eng Hours</b>            | 421.2  | 421.5   | 421.7    | 422      | 422.2   |           |         |           |         |           |         | 422.3     |
| <b>Hertz/Cycles</b>         | 60     | 60      | 60       | 60       | 60      |           |         |           |         |           |         | 60        |
| <b>Voltage PH1</b>          | 480    | 480     | 480      | 480      | 480     |           |         |           |         |           |         | 480       |
| <b>PH2</b>                  | 480    | 480     | 480      | 480      | 480     |           |         |           |         |           |         | 480       |
| <b>PH3</b>                  | 480    | 480     | 480      | 480      | 480     |           |         |           |         |           |         | 480       |
| <b>Amperage PH1</b>         | 0      | 335     | 336      | 336      | 335     |           |         |           |         |           |         | 0         |
| <b>PH2</b>                  | 0      | 336     | 335      | 335      | 335     |           |         |           |         |           |         | 0         |
| <b>PH3</b>                  | 0      | 335     | 335      | 336      | 336     |           |         |           |         |           |         | 0         |
| <b>Kilowatts</b>            | 0      | 278.184 | 279.0144 | 279.0144 | 278.184 | 0         | 0       | 0         | 0       | 0         | 0       | 0         |
| <b>Oil Pressure</b>         | 45     | 46      | 46       | 46       | 46      |           |         |           |         |           |         | 45        |
| <b>Oil Temperature</b>      | 214°F  | 220°F   | 220°F    | 220°F    | 220°F   |           |         |           |         |           |         | 215°F     |
| <b>Coolant Temperature</b>  | 181°F  | 181°F   | 182°F    | 182°F    | 182°F   |           |         |           |         |           |         | 181°F     |
| <b>Man Vac./Press. L/B</b>  |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>Man Vac./Press. R/B</b>  |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>L/B Exhaust Temp</b>     |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>R/B Exhaust Temp</b>     |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>Exhaust Temperature</b>  |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>DC Voltage</b>           |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>Natural Gas Pressure</b> |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>Diesel Fuel Level</b>    |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>Room Temperature</b>     |        |         |          |          |         |           |         |           |         |           |         |           |
| <b>Ambient Temperature</b>  | 70°F   | 70°F    | 70°F     | 71°F     | 71°F    |           |         |           |         |           |         | 72°F      |

**Cable Length:** 10 feet

**Cable/ Leg:** 1 4/O per phase

**Connection Point:** unit circuit breaker

