

**CHARLES EQUIPMENT ENERGY SYSTEMS**

**LOAD BANK TESTING**

Customer: Central States Diesel Generators CSDG STK#2147  
 Address: 2001 S Prairie Ave (Door 26)  
 City/ State/ Zip Waukesha/ WI/ 53189  
 Contact: Patrick Paden  
 Phone: 262-955-7655

R#: 4398  
 Test Date 10/19/2017

Engine Make/ Model: MTU 16V2000  
 Engine Spec/ Serial: 536101264  
 Unit Make/ Model: SDMO XS850U  
 Unit Spec/ Serial: XS850U01005249

Voltage: 277/480  
 Amperage: 1023  
 Kilowatts: 850  
 Power Factor 0.8

|                      | 5 Min. | 15 Min. | 30 Min. | 45 Min. | 1 Hour | Cool Down |
|----------------------|--------|---------|---------|---------|--------|-----------|
| Eng Hours            | 400.4  | 400.6   | 400.9   | 401.2   | 401.4  | 401.5     |
| Hertz/Cycles         | 60     | 60      | 60      | 60      | 60     | 60        |
| Voltage PH1          | 480    | 480     | 480     | 481     | 479    | 480       |
| PH2                  | 479    | 480     | 479     | 480     | 480    | 479       |
| PH3                  | 481    | 481     | 481     | 481     | 481    | 481       |
| Amperage PH1         | 0      | 1016    | 1017    | 1016    | 1017   | 0         |
| PH2                  | 0      | 1027    | 1025    | 1028    | 1030   | 0         |
| PH3                  | 0      | 1030    | 1031    | 1030    | 1031   | 0         |
| Kilowatts            | 0      | 850     | 850     | 850     | 850    | 0         |
| Oil Pressure         | 8 Bar  | 8 Bar   | 8 Bar   | 8 Bar   | 8 Bar  | 8 Bar     |
| Oil Temperature      |        |         |         |         |        |           |
| Coolant Temperature  | 185°F  | 200°F   | 200°F   | 200°F   | 200°F  | 185°F     |
| Man Vac./Press. L/B  |        |         |         |         |        |           |
| Man Vac./Press. R/B  |        |         |         |         |        |           |
| L/B Exhaust Temp     |        |         |         |         |        |           |
| R/B Exhaust Temp     |        |         |         |         |        |           |
| Exhaust Temperature  |        |         |         |         |        |           |
| DC Voltage           | 27.5   | 27.5    | 27.5    | 27.5    | 27.25  | 27.5      |
| Natural Gas Pressure |        |         |         |         |        |           |
| Diesel Fuel Level    |        |         |         |         |        |           |
| Room Temperature     |        |         |         |         |        |           |
| Ambient Temperature  | 65°F   | 65°F    | 65°F    | 65°F    | 65°F   | 65°F      |

Cable Length: \_\_\_\_\_

Cable/ Leg: \_\_\_\_\_

Connection Point: \_\_\_\_\_

Technician Signature: Randy P.

Customer Signature: \_\_\_\_\_