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| Revision No. 0 | | |
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GENERATOR LOAD TEST DATA

CUSTOMER: _____ JOB NO.: 17- DATE: 1-19-18
 TECHNICIAN(S): _____ TEST LOCATION: _____
 EQUIPMENT ID: _____ FIELD LOCATION: _____
 GOVERNOR MFG.: Woodward REGULATOR MFG.: McPherson
 GOVERNOR SERIAL: 17019852 REGULATOR SERIAL No: 41571004155
 No: PROJECT NAME: 400kW Load Test

GENERATOR DATA

MAKE: Caterpillar KVA 500 KW 400
 MODEL: SR4 SERIAL NO. 6FA04237
 FRAME: 580 PHASE: 3 POWER FACTOR: 1
 RPM: 1800 VOLTAGE: 480 AMPERAGE: 721
 NO. LEADS 12 EXCITER FIELD OHMS: 7.3
 VOLTS (MAX) 26 AMPS (MAX) 7.3
 EXCITER FIELD PART NO.: 1500
 VOLTAGE REGULATOR McPherson SENSING VOLTAGE 220
 MODEL: SS-15-A-2
 GENERATOR EFFICIENCY: _____

ENGINE DATA

MAKE: Caterpillar
 MODEL: G3412 SITA
 SERIAL NO: 7DB0 FUEL N.G.
 COMPRESSION RATIO: 10:1
 INJECTION TYPE: Carb
 IGNITION TYPE: Altronic
 PROJECTED HP: 400kW @ 1800 RPM
 GOVERNOR: Woodward E8250-501

LOAD TYPE: _____ POWER FACTOR: _____ F.L.A. AT POWER FACTOR = _____ AMPS
 UNDERFREQUENCY SETTING: _____ ACCEL RAMP TIME SEC. _____ DECEL RAMP TIME SEC. _____
 PRE-LUBE PSI: _____ POST LUBE PSI: _____ PRE-LUBE TIME: _____ POST LUBE TIME: _____
 UNDER VOLTAGE SETTING: _____ OVER VOLTAGE SETTING: _____
 OVERSPEED SETTING: _____ PHASE ROTATION: _____
 COMMENTS: _____

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|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| TEST TIME | 9:10 | 9:40 | 10:13 | 11:15 | 11:45 | 12:15 | 12:45 | 1:15 | | | | | | |
| LOAD: (KVA) | 108 | 212 | 315 | 412 | 414 | 417 | 418 | 440.0 | | | | | | |
| LOAD: (KW) | 108 | 212 | 316 | 412 | 414 | 417 | 418 | 440.0 | | | | | | |
| VOLTAGE: (AØ BØ) | 485 | 480 | 481 | 477.3 | 478.1 | 479.2 | 480.0 | 480.3 | | | | | | |
| VOLTAGE: (BØ CØ) | 485 | 480 | 481 | 477.8 | 478.8 | 482.7 | 483.4 | 483.9 | | | | | | |
| VOLTAGE: (AØ CØ) | 485 | 480 | 481 | 477.5 | 478.4 | 480.9 | 481.7 | 482.1 | | | | | | |
| AMPERAGE: (L1) | 130 | 255 | 379 | 499.7 | 500.5 | 501.5 | 501.9 | 527.3 | | | | | | |
| AMPERAGE: (L2) | 129 | 254 | 378 | 498.9 | 499.7 | 500.7 | 501.1 | 526.4 | | | | | | |
| AMPERAGE: (L3) | 129 | 254 | 378 | 498.3 | 499.0 | 500.1 | 500.5 | 525.8 | | | | | | |
| FREQUENCY: (HERTZ) | 60.07 | 60.08 | 60.08 | 60.08 | 60.08 | 60.09 | 60.09 | 60.09 | | | | | | |
| POWER FACTOR: (%) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.99 | | | | | | |
| OVERSHOOT VOLTAGE: | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | | | | | | |
| UNDERSHOOT VOLTAGE: | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | | | | | | |
| OVERSHOOT FREQUENCY: | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | | | | | | |
| UNDERSHOOT FREQUENCY: | .5 | .5 | .5 | .5 | .5 | .5 | .5 | .5 | | | | | | |
| AMBIENT TEMPERATURE: (F) | 37 | 38 | 40 | 44 | 44 | 47 | 47 | 48 | | | | | | |
| RECOVERY TIME: (SEC) | 6 | 5 | 4 | 5 | N/A | N/A | N/A | 3 | | | | | | |
| OIL PRESSURE (PSI) | 60 | 60 | 55 | 50 | 50 | 50 | 50 | 50 | | | | | | |
| OIL TEMPERATURE: (F) | 140 | 153 | 167 | 172 | 180 | 187 | 181 | 180 | | | | | | |
| EXCITER VOLTS: (VOLTS DC) | 8.2 | 9.6 | 11.4 | 13.6 | 13.8 | 14.0 | 14.0 | 14.5 | | | | | | |
| WATER TEMPERATURE / IN: (F) | 68 | 80 | 102 | 120 | 125 | 127 | 129 | 128 | | | | | | |
| WATER TEMPERATURE/OUT: (F) | 150 | 165 | 171 | 172 | 174 | 172 | 173 | 175 | | | | | | |
| FUEL PRESSURE: | 30 | 28 | 22 | 18 | 15 | 15 | 15 | 15 | | | | | | |
| FUEL OUNCES: | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | | | | | | |
| LEFT BANK VACUUM / BOOST: | 12" | 6" | 2.PSI | 5PSI | 5PSI | 5PSI | 5PSI | 5PSI | | | | | | |
| RIGHT BANK VACUUM / BOOST: | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | | | | | |
| AUXILIARY WATER TEMP: | 70 | 67 | 80 | 89 | 90 | 82 | 92 | 85 | | | | | | |