

# Engine Load Test Report

DATE 5-12-17  
 UNIT OWNER \_\_\_\_\_  
 REPORTING MARKS 6076  
 TYPE OF LOCOMOTIVE \_\_\_\_\_  
 RATED HORSE POWER \_\_\_\_\_  
 ENGINE MODEL NUMBER \_\_\_\_\_  
 ENGINE SERIAL NUMBER \_\_\_\_\_

*Run test  
For HP  
only*

FORM NUMBER 001  
 REVISION DATE 1 4/5/2013  
 REVISION DATE 1 4/5/2013

FORMULA  
 (Volts x Mvolts x 80) / 700 = HP

*Governor  
904  
80*

OUTSIDE TEMPERATURE 85  
 ENGINE WATER LEVEL Full  
 ENGINE OIL LEVEL Full  
 AIR COMPRESSOR OIL LEVEL Full  
 ENGINE GOVERNOR OIL LEVEL 1/2 glass  
 ENGINE FUEL SIGHT GLASSES (FULL-BUBBLES-EMPTY)  
 TEST ENGINE CRANK CASE PROTECTOR LOW WATER TRIP \_\_\_\_\_  
 TEST CRANK CASE PROTECTOR LOW WATER TRIP ALSO TRIPS LOW OIL BUTTON yes  
 TEST GROUND RELAY ✓  
 LOW VOLTAGE GROUND \_\_\_\_\_  
 BATTERY CHARGING good

*1 minute  
yes yes yes*

| THROTTLE<br>POS | OIL<br>TIME | OIL<br>PRESSURE | OIL TEMP   |            | WATER TEMP |            | POWER<br>PISTON | LOAD<br>REG | COOLING<br>FANS | MAIN GENERATOR |             | HORSE<br>POWER |
|-----------------|-------------|-----------------|------------|------------|------------|------------|-----------------|-------------|-----------------|----------------|-------------|----------------|
|                 |             |                 | in         | out        | in         | out        |                 |             |                 | VOLTS          | RPM         |                |
| IDLE            | 120-T       |                 |            |            |            |            |                 |             |                 |                |             |                |
| 1               | 10 MIN      | <u>30</u>       |            |            |            |            | <u>1.74</u>     | <u>7</u>    |                 | <u>78</u>      | <u>157</u>  | <u>16</u>      |
| 2               | 10 MIN      | <u>34</u>       | <u>120</u> | <u>140</u> | <u>140</u> | <u>150</u> | <u>1.64</u>     | <u>7</u>    |                 | <u>270</u>     |             | <u>186</u>     |
| 3               | 10 MIN      | <u>42</u>       | <u>136</u> | <u>153</u> | <u>137</u> | <u>162</u> | <u>1.56</u>     | <u>7</u>    |                 | <u>408</u>     | <u>744</u>  | <u>429</u>     |
| 4               | 10 MIN      | <u>42</u>       | <u>141</u> | <u>155</u> | <u>154</u> | <u>169</u> | <u>1.44</u>     | <u>7</u>    |                 | <u>547</u>     | <u>961</u>  | <u>755</u>     |
| 5               | 30 MIN      | <u>58</u>       |            |            |            |            | <u>1.28</u>     |             |                 | <u>694</u>     | <u>1206</u> | <u>1192</u>    |
| 6               | 10 MIN      | <u>58</u>       |            |            |            |            | <u>1.08</u>     |             |                 | <u>848</u>     | <u>1462</u> | <u>1780</u>    |
| 7               | 10 MIN      | <u>50</u>       |            |            |            |            | <u>.88</u>      |             |                 |                |             | <u>2550</u>    |
| 8               | 4 HRS       |                 |            |            |            |            | <u>.78</u>      |             |                 |                |             | <u>2997</u>    |

ENGINE FUEL SIGHT GLASSES IN #8 (FULL-BUBBLES-EMPTY) \_\_\_\_\_  
 ENGINE IDLE OIL PRESSURE IMMEDIATELY AFTER RUN #8 LOAD \_\_\_\_\_

COOLING FAN #1 PICK UP \_\_\_\_\_ DROP OUT \_\_\_\_\_  
 COOLING FAN #2 PICK UP \_\_\_\_\_ DROP OUT \_\_\_\_\_  
 COOLING FAN #3 PICK UP \_\_\_\_\_ DROP OUT \_\_\_\_\_  
 COOLING FAN #4 PICK UP \_\_\_\_\_ DROP OUT \_\_\_\_\_

| THRTL | PRESSURE      |         |
|-------|---------------|---------|
|       | CRANK<br>CASE | AIR BOX |
| 1     |               |         |
| 2     |               |         |
| 3     |               |         |
| 4     |               |         |
| 5     |               |         |
| 6     |               |         |
| 7     |               |         |
| 8     |               |         |

LEFT FRONT SHUTTER OPEN \_\_\_\_\_ CLOSE \_\_\_\_\_  
 RIGHT FRONT SHUTTER OPEN \_\_\_\_\_ CLOSE \_\_\_\_\_  
 LEFT REAR SHUTTER OPEN \_\_\_\_\_ CLOSE \_\_\_\_\_  
 RIGHT REAR SHUTTER OPEN \_\_\_\_\_ CLOSE \_\_\_\_\_

AIR COMPRESSOR CUT IN PRESSURE \_\_\_\_\_  
 AIR COMPRESSOR CUT OUT PRESSURE \_\_\_\_\_  
 TEST HOT ENGINE ALARM PICK UP \_\_\_\_\_ DROP OUT \_\_\_\_\_

EMPLOYEES \_\_\_\_\_ EMPLOYEES \_\_\_\_\_  
 SUPERVISOR \_\_\_\_\_