

Engine Load Test Report

DATE _____
 UNIT OWNER _____
 REPORTING MARKS _____
 TYPE OF LOCOMOTIVE SD
 RATED HORSE POWER _____
 ENGINE MODEL NUMBER 16-645-E3B
 ENGINE SERIAL NUMBER 80-H1-1096

FORM NUMBER 001
 REVISION DATE 1 4/5/2013
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FORMULA
 (Volts x Mvolts x 80) / 700 = HP

OUTSIDE TEMPERATURE 70 ish
 ENGINE WATER LEVEL Good
 ENGINE OIL LEVEL Above Low Below Full
 AIR COMPRESSOR OIL LEVEL Good
 ENGINE GOVERNOR OIL LEVEL 1/2 class
 ENGINE FUEL SIGHT GLASSES (FULL-BUBBLES-EMPTY) Fuel Added 300 gallon
 TEST ENGINE CRANK CASE PROTECTOR LOW WATER TRIP YES 40 seconds
 TEST CRANK CASE PROTECTOR LOW WATER TRIP ALSO TRIPS LOW OIL BUTTON
 TEST GROUND RELAY _____
 LOW VOLTAGE GROUND _____
 BATTERY CHARGING _____

Governor 900
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THROTTLE POS	OIL TIME	OIL PRESSURE	OIL TEMP		WATER TEMP		POWER PISTON	LOAD REG	COOLING FANS	MAIN GENERATOR			HORSE POWER
			in	out	in	out				VOLTS	MV	RPM	
IDLE	120-T	<u>30</u>	<u>112</u>	<u>119</u>	<u>118</u>	<u>126</u>						<u>324</u>	
1	10 MIN	<u>28</u>	<u>116</u>	<u>127</u>	<u>125</u>	<u>140</u>	<u>172</u>	<u>7</u>	<u>-</u>	<u>170</u>	<u>3.7</u>	<u>324</u>	<u>71.8</u>
2	10 MIN	<u>24</u>	<u>120</u>	<u>136</u>	<u>134</u>	<u>152</u>	<u>156</u>	<u>7</u>	<u>-</u>	<u>370</u>	<u>8.1</u>	<u>382</u>	<u>342</u>
3	10 MIN	<u>30</u>	<u>126</u>	<u>140</u>	<u>144</u>	<u>165</u>	<u>148</u>	<u>7</u>	<u>102</u>	<u>500</u>	<u>10.8</u>	<u>511</u>	<u>617</u>
4	10 MIN	<u>34</u>	<u>130</u>	<u>143</u>	<u>135</u>	<u>146</u>	<u>136</u>	<u>7</u>	<u>102</u>	<u>631</u>	<u>13.7</u>	<u>574</u>	<u>988</u>
5	30 MIN	<u>40</u>				<u>1</u>	<u>124</u>	<u>7</u>	<u>102</u>	<u>766</u>	<u>16.5</u>	<u>670</u>	<u>1444</u>
6	10 MIN	<u>40</u>	<u>126</u>	<u>149</u>	<u>130</u>	<u>160</u>	<u>104</u>	<u>7</u>	<u>102</u>	<u>895</u>	<u>19.1</u>	<u>735</u>	<u>1953</u>
7	10 MIN						<u>87</u>	<u>7</u>	<u>102</u>	<u>1046</u>	<u>22.2</u>	<u>842</u>	<u>2654</u>
8	4 HRS						<u>79</u>	<u>7</u>	<u>102</u>	<u>1104</u>	<u>23.6</u>	<u>912</u>	<u>2977</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 _____

LEFT FRONT SHUTTER OPEN _____ CLOSE _____
 RIGHT FRONT SHUTTER OPEN _____ CLOSE _____
 LEFT REAR SHUTTER OPEN _____ CLOSE _____
 RIGHT REAR SHUTTER OPEN _____ CLOSE _____

THRTL	PRESSURE	
	CRANK CASE	AIR BOX
1		<u>5</u>
2		<u>5</u>
3		<u>5</u>
4		
5		<u>7</u>
6		<u>9</u>
7		<u>13</u>
8		<u>16 Boost</u>

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

EMPLOYEES Clay Moore EMPLOYEES Will Clements
 SUPERVISOR _____