06_01_5:55:44PM

Stats

```
Total Tests: 14
correct predictions: 2
incorrect predictions: 12
Percentage correct: 14.29%
=======================
Most missed predictions
Broken Wire:  2
Glue:  2
Good:  2
No Wires:  2
One Third Wire:  2
Unknown Debris:  2
```
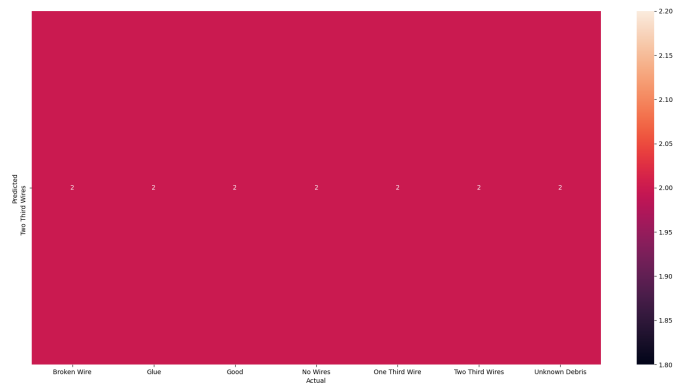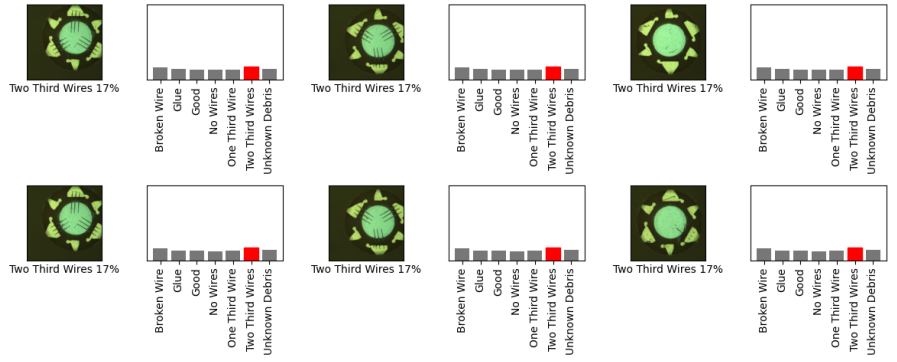
Model Summary

```
Model: "sequential" _____
Layer (type)              Output Shape            Param #
=========================================================
rescaling (Rescaling)     (None, 480, 480, 3)     0          _____
conv2d (Conv2D)           (None, 480, 480, 16)    448        _____
conv2d_1 (Conv2D)         (None, 480, 480, 16)    2320
_____
max_pooling2d (MaxPooling2D) (None, 240, 240, 16)  0         _____
conv2d_2 (Conv2D)         (None, 240, 240, 16)    2320
_____
conv2d_3 (Conv2D)         (None, 240, 240, 16)    2320
_____
max_pooling2d_1 (MaxPooling2 (None, 120, 120, 16)  0         _____
conv2d_4 (Conv2D)         (None, 120, 120, 32)    4640
_____
conv2d_5 (Conv2D)         (None, 120, 120, 32)    9248
_____
batch_normalization (BatchNo (None, 120, 120, 32)  128       _____
max_pooling2d_2 (MaxPooling2 (None, 60, 60, 32)    0         _____
conv2d_6 (Conv2D)         (None, 60, 60, 32)      9248
_____
conv2d_7 (Conv2D)         (None, 60, 60, 32)      9248
_____
max_pooling2d_3 (MaxPooling2 (None, 30, 30, 32)    0         _____
conv2d_8 (Conv2D)         (None, 30, 30, 32)      9248
_____
conv2d_9 (Conv2D)         (None, 30, 30, 32)      9248
_____
```

```
max_pooling2d_4 (MaxPooling2 (None, 15, 15, 32)        0         ------------------------
conv2d_10 (Conv2D)           (None, 15, 15, 32)        9248

_____
conv2d_11 (Conv2D)           (None, 15, 15, 32)        9248

_____
max_pooling2d_5 (MaxPooling2 (None, 7, 7, 32)          0         ------------------------
conv2d_12 (Conv2D)           (None, 7, 7, 32)          9248

_____
conv2d_13 (Conv2D)           (None, 7, 7, 32)          9248

_____
max_pooling2d_6 (MaxPooling2 (None, 3, 3, 32)          0         ------------------------
conv2d_14 (Conv2D)           (None, 3, 3, 64)          18496

_____
max_pooling2d_7 (MaxPooling2 (None, 1, 1, 64)          0         ------------------------
flatten (Flatten)            (None, 64)                0         ------------------------
dense (Dense)                (None, 128)               8320

_____
dropout (Dropout)            (None, 128)               0         ------------------------
dense_1 (Dense)              (None, 32)                4128

_____
dense_2 (Dense)              (None, 32)                1056

_____
dense_3 (Dense)              (None, 7)                 231       ========================
Total params: 127,639 Trainable params: 127,575 Non-trainable
params: 64 _____
```


Confusion Matrix

Two Third Wires 17%

Two Third Wires 17%

Two Third Wires 17%

Two Third Wires 17%

Two Third Wires 17%

Two Third Wires 17%

Random Samples