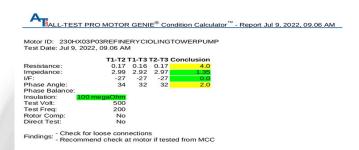
## **Returning Reliability & Energy Savings**

Example: 230HX03P03REFINERYCIOLINGTOWERPUMP

37kW 63 Amp @ Full Load

As Found



As Left

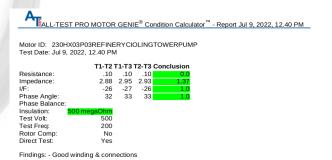
The lug selection is too large, 15-8 lug used on a 6mm Post. Bottom nuts loose and the crimp

has not fully compressed. Insulation tape between lug faces.

Resistance after remedial work has dropped from 0.17 Ohms to 0.10 Ohms.

The I^2R loss at full Load 277 Watts per termination. Estimated 60% loading equates to 498 Watts.

498 Watts @ 20p per kWhr estimated 8000 hours per year = 796 pounds per year.





## 3Phi Reliability Returning Reliability & Energy Savings





http://www.3Phi-Reliability.com/blog