



A Qualitative Infrared Thermographic Survey of Electrical System Components

Report Date	January 26, 2015	Report # /Time	2 of 15 @ 1:09 PM
Company	Windemuller Technical Services (941) 355-8822	Customer	Tradeshow Sample
Address	1611 Northgate Blvd. Sarasota , Florida 34234	Site Address	Sarasota, Florida
Thermographer	David Lemieux Certified Level I Thermographer	Contact Person	
Location	Third Floor Storage	Equipment	AHU 2-9 VFD

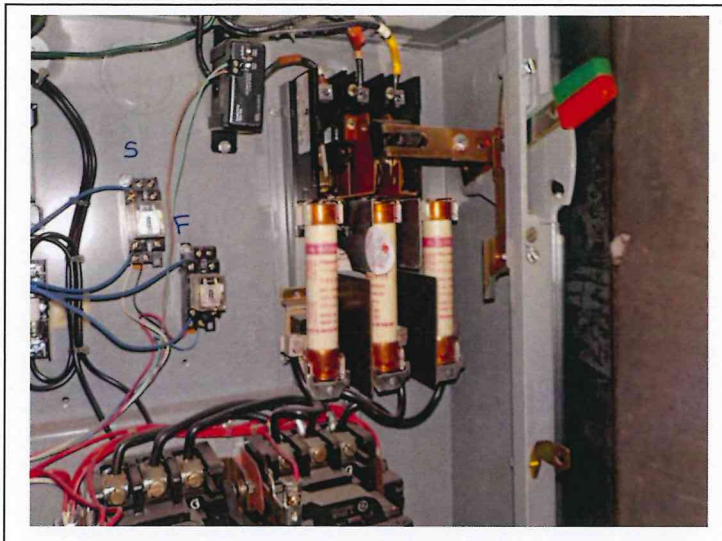
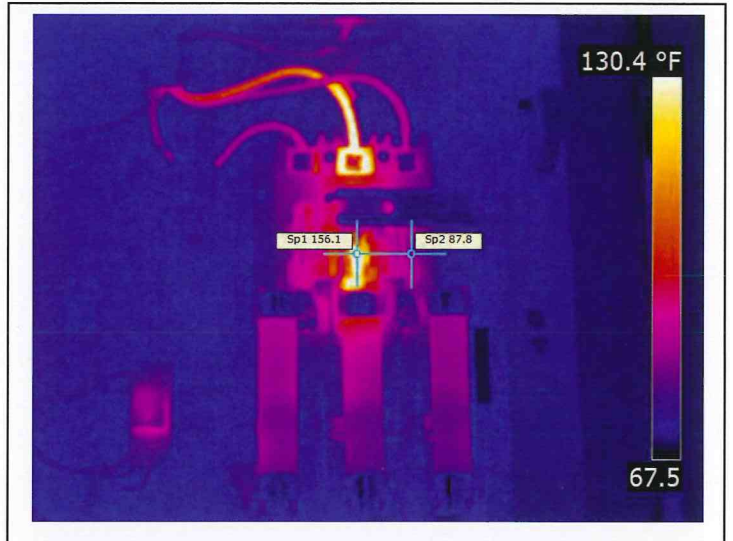


Photo Image



Thermal Image

Radiometric Data

Camera Model	FLIR ThermaCAM EX320	Hot spot temperature	156.1 Degrees F.
Image Date	1/26/15	Cold spot temperature	87.8 Degrees F.
Image Name	IR_295.jpg	Delta T (difference)	68.3 Degrees F.
Image Time	1:05 PM	Ambient Temperature	70.0 Degrees F.
Emissivity	0.98	Relative Humidity	65%
Object Distance (approx.)	3.0 Ft.	Fault Rating	3

Classification Table

1. Repair Next Maintenance	2. Repair as Schedule Permits	3. Urgent attention required	XX
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Analysis

Raised temperature noted on in-feed B phase side of fuse carrier. Temperature imbalance such as this would not be expected across a fuse and indicates an internal problem. Possible source of temperature rise includes poor connection, loose fuse fixing, or high resistance blade connections.

Recommendation

De-energize, repair, and re-inspect.
 Recommendation is to inspect, check fuse carrier blades for signs of pitting or heat damage, re-tighten the fuse fixings and re-tighten all connections.