

QUALITATIVE REPORT

INFRARED INSPECTION OF ELECTRICAL / MECHANICAL SYSTEMS

SUBMITTED TO:

Cranston Print Works Company
Webster, MA

INSPECTED BY:

Mark L. Kiefer
Level – I Certified Infrared Thermographer #6363

QUALIFIED ASSISTANT:

As assigned by the customer

INSPECTION PERFORMED:

March 13, 2004

IR EQUIPMENT USED:

Agema 470 #073219



Vanguard Engineering, Inc.
P.O. Box 519
East Lyme, CT 06333
(860) 739-7677
Fax: (860) 739-0676
web: <http://www.vanguard-engineering.com>

FOREWORD

This Qualitative Report of Infrared Inspection provide complete documentation of the exceptions (abnormal conditions) found in the equipment inspected. It uses a subjective evaluation to help you prioritize repairs that will give you the greatest return from this inspection and your maintenance program.

HOW INFRARED THERMOGRAPHY WORKS

Infrared imagers “see” the heat radiated from your equipment in real time, just like a video camera sees visible light. In black-and-white thermograms (pictures of heat), white is hot and black is cold unless stated otherwise. When thermograms are in color, usually the white and red areas are hotter and the black and blue areas are colder.

REPAIR PRIORITY RATINGS

Each exception is given a subjective repair priority rating that is based on how important the potential problem is to the safe and profitable operation of your overall system.

The Inspection Summary section of this report explains how to use the repair priority rating to help you determine how quickly you need to investigate and correct the potential problem.

Overheating can cause premature deterioration and costly unplanned failure of your equipment. Overheating components will never get better. In fact, the temperature and the rate of deterioration will increase with time.

No one can predict when a failure will occur. As a result, we suggest that you use the repair priority ratings as a guide but that you investigate and correct every potential problem as soon as you can.

We offer the following Repair Priority Ratings and their significance:

Monitor – No serious problems noted, but further periodic monitoring recommended.

Minor – Repair at your convenience.

Moderate – Plan for repair in normal maintenance cycle.

Serious – Plan for repair at your first available opportunity.

Immediate Action – Failure immanent. Operation critical.



Date: 3/15/2004 Report No. 20040306

Location: Rope Range

Equipment: Dryer Fan Motor Fuse Center

Problem: Loose fuse holder contact.

PRIORITY: IMMEDIATE ACTION

System Operating Conditions:

Ambient Temp.: 77 deg. F.

Object Temp.: 168 deg. F.

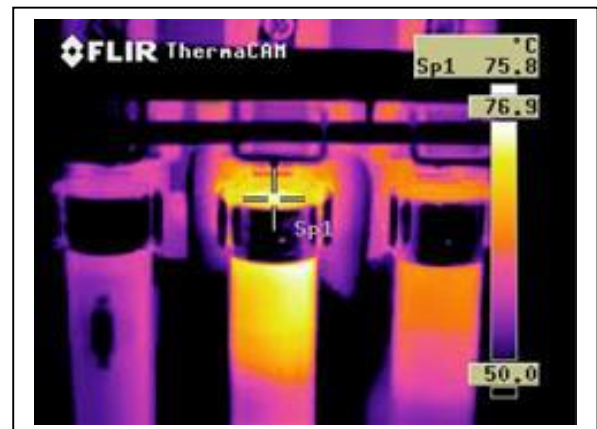
Temp. Rise: 91 deg. F.

System Load: 40 Amps % Full Load: 100

VISUAL IMAGE



INFRARED IMAGE



Repair Comments: