

Sample Report – Electrical Connection

Visual Image



Company

Supermarket X

Section

H & V Plant Room

Equipment ID

Humidifier (unit 26)

IR Scan Date

02/05/06

Thermographer

Mike Berrie

Thermal Image



Component ID

Third phase (upper) & all 3 lower connections

Fault Temperature

Cursor 1 = 69.0 °C

Normal Temperature

Cursor 2 = 53.1 °C

Temperature Difference

15.9 °C

Recommended Action

The three phases on this fuse are clearly unbalanced as the upper third phase is significantly hotter than the other two. Also, as all three phases are much hotter (79.1 °C) at the lower connections than the upper connections, an over-tight/loose connection problem at the lower terminals (rather than an overloading problem) can be inferred. Recommended action is to balance the 3 phases and check for poor connections as soon as possible, as 79.1 °C represents a risk of fire.