

Logo

Infrared Inspection Report H-1 Reactor Charge Heater

HEATER DESIGN DATA

Max process flow per pass

Max tube radiant temperature (F)

1100

Process temp radiant inlet

Process temp radiant outlet

Heater fuel gas flow rate

Max temperature external casing & stack

INSPECTOR

*

Date 5/19/2004

Logo

Infrared Thermography Survey

H-1 Refinery Heater



OBSERVATIONS

INSPECTION PORT	*
PASS	*
IR TEMP MAX	87.4°F
TI TEMP	*
INLET TEMP	*
OUTLET TEMP	*
FLOW RATE (LBS./HR)	*
MEASURED BACKGROUND TEMP	68.0°F

IR information	Value
Date of creation	7/10/2003
Time of creation	9:26:20 AM
Object parameter	Value
Emissivity	0.92
Label	Value
SP01	87.4°F
SP02	87.4°F
AR01 : max	87.4°F

COMMENTS:

SUMMARY

H-1

INSPECTION PORT	PASS (ES)	IR TUBE TEMP	DESIGN TEMP	TEMP DIFFERENCE
-	-	-	-	-

INSTRUCTIONS:

1) Go to:

File/properties

To change the heater name and max tube temperature. The heater name is a TEXT COMMENT. Be very specific regarding capitalization if you expect to export your saved reports to THERMACAM DATABASE.

2)The max tube temperature is a VALUE in a FIELD and can only be changed this way. If your analysis is in Centigrade you may change that directly on this page.

3) Insert your company LOGO on this and the results page as necessary.

4) The temp diff equation subtracts the max tube temperature from the area 1 average temperature as this is a better measurement of actual temperature rather than a spot. You may edit the size of the area during your analysis.

5) The following are TEXT COMMENTS that can be queried when the saved report is exported to THERMACAM DATABASE:

INSPECTION PORT
PASS
TI TEMP
INLET TEMP
OUTLET TEMP
FLOW RATE

You may add/delete/change any of these by selecting the IR image, right click and click on the TEXT COMMENTS selection.