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SVL SINGAPORE SERVICES

M.T.-----

Thermal Imaging

Steering, Deck Hyd & Emergency Fire pump



Prepared for

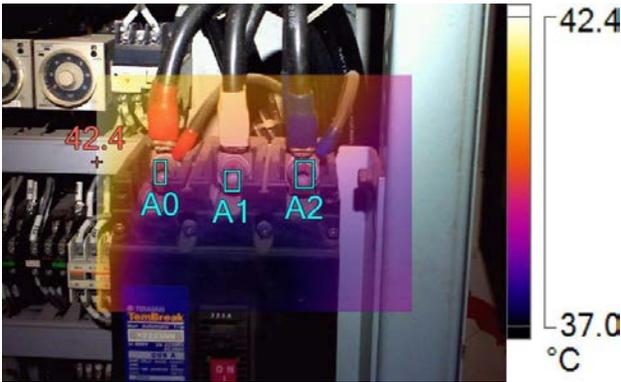


IR005253.IS2-No1 Steering Gear
12/3/2016 4:36:11 PM



Visible Light Image

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005254.IS2-No1 Steering Gear panel
12/3/2016 4:36:45 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	39.4°C	38.9°C	39.9°C	0.95
A1	38.7°C	38.3°C	39.1°C	0.95
A2	38.9°C	38.4°C	39.4°C	0.95

Name	Temperature	Emissivity
Hot	42.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005255.IS2-No1 Steering Gear panel



Visible Light Image

12/3/2016 4:37:05 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	40.2°C	39.8°C	40.5°C	0.95
A1	39.8°C	39.7°C	40.0°C	0.95
A2	39.3°C	39.0°C	39.6°C	0.95

Name	Temperature	Emissivity
Centerpoint	38.9°C	0.95
Hot	43.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this condition



IR005256.IS2-No1 Steering Gear panel



Visible Light Image

12/3/2016 4:37:12 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	36.7°C	36.3°C	37.3°C	0.95
A1	36.4°C	36.1°C	36.7°C	0.95
A2	36.3°C	36.1°C	36.6°C	0.95

Name	Temperature	Emissivity
Hot	43.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005257.IS2-No1 Steering Gear panel



Visible Light Image

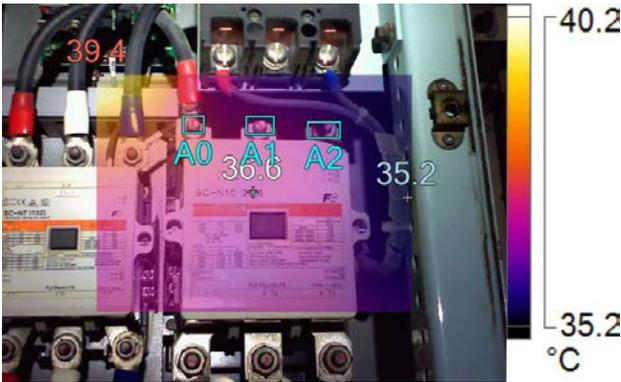
12/3/2016 4:37:25 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	37.5°C	37.2°C	37.9°C	0.95
A1	37.5°C	37.3°C	37.7°C	0.95
A2	37.0°C	36.8°C	37.2°C	0.95

Name	Temperature	Emissivity
Hot	38.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005258.IS2-No1 Steering Gear panel



Visible Light Image

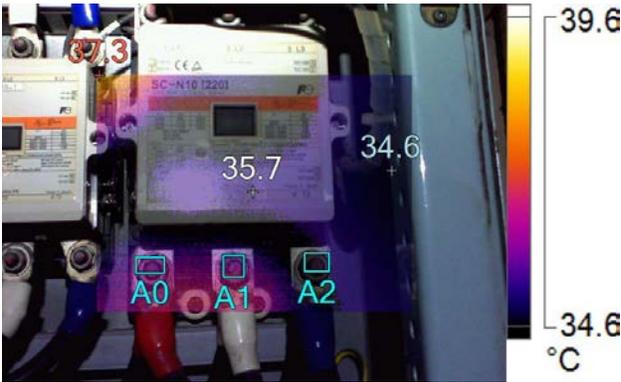
12/3/2016 4:38:11 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	37.0°C	36.8°C	37.3°C	0.95
A1	36.6°C	36.3°C	36.8°C	0.95
A2	36.1°C	35.8°C	36.5°C	0.95

Name	Temperature	Emissivity
Centerpoint	36.6°C	0.95
Hot	39.4°C	0.95
Cold	35.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005259.IS2-No1 Steering Gear panel



Visible Light Image

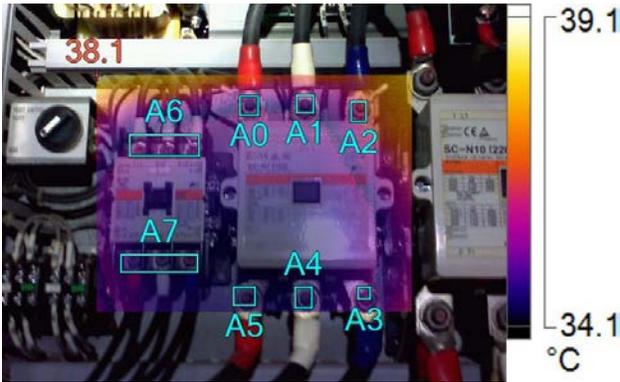
12/3/2016 4:38:20 PM

Main Image Markers

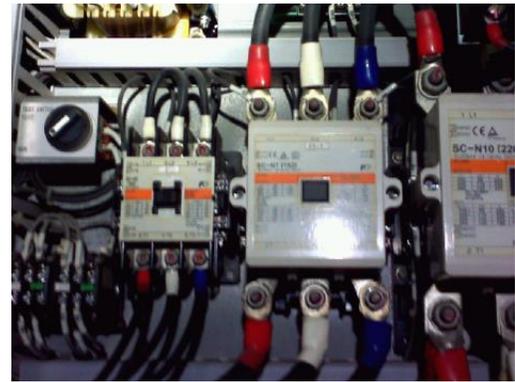
Name	Avg	Min	Max	Emissivity
A0	36.5°C	36.3°C	36.7°C	0.95
A1	36.5°C	36.3°C	36.8°C	0.95
A2	35.9°C	35.6°C	36.3°C	0.95

Name	Temperature	Emissivity
Centerpoint	35.7°C	0.95
Hot	37.3°C	0.95
Cold	34.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005260.IS2-No1 Steering Gear panel



Visible Light Image

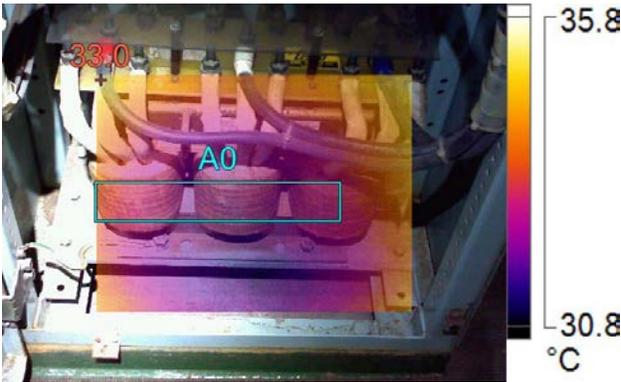
12/3/2016 4:38:53 PM

Main Image Markers

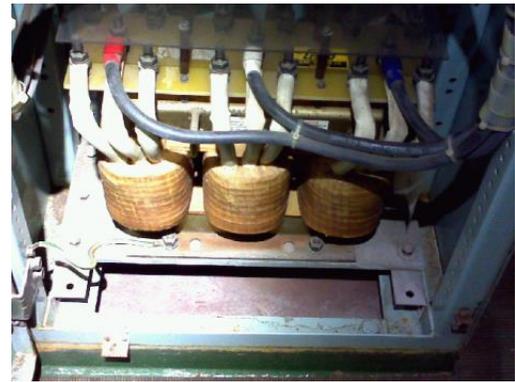
Name	Avg	Min	Max	Emissivity
A0	36.0°C	35.6°C	36.4°C	0.95
A1	36.1°C	35.7°C	36.4°C	0.95
A2	36.6°C	36.3°C	37.0°C	0.95
A3	35.7°C	35.4°C	35.9°C	0.95
A4	34.7°C	34.4°C	34.9°C	0.95
A5	34.6°C	34.3°C	34.8°C	0.95
A6	35.6°C	35.2°C	36.0°C	0.95
A7	34.7°C	34.3°C	35.4°C	0.95

Name	Temperature	Emissivity
Hot	38.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005261.IS2-No1 Steering Gear panel



Visible Light Image

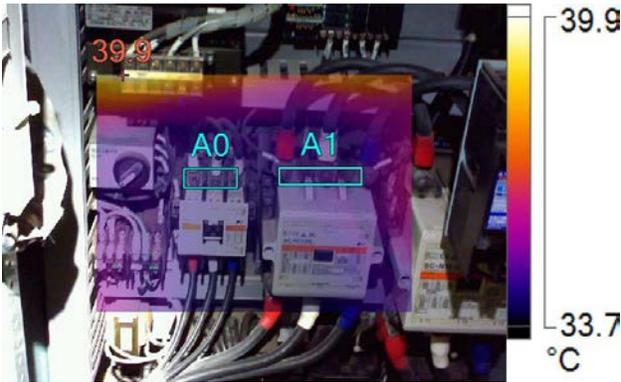
12/3/2016 4:39:22 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	31.5°C	31.0°C	32.1°C	0.95

Name	Temperature	Emissivity
Hot	33.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005262.IS2-No1 Steering Gear panel



Visible Light Image

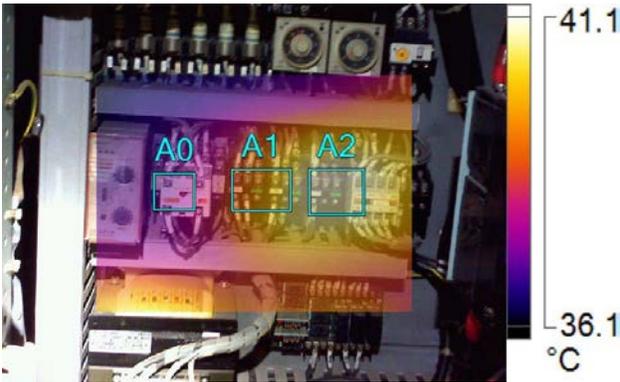
12/3/2016 4:39:35 PM

Main Image Markers

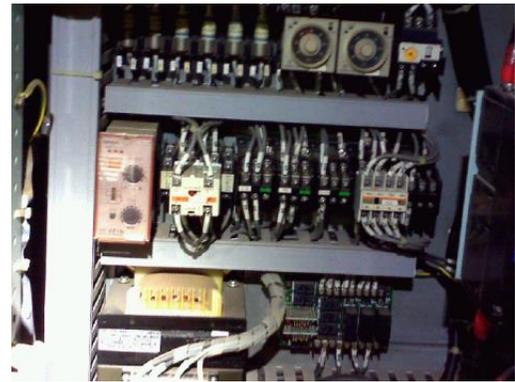
Name	Avg	Min	Max	Emissivity
A0	35.0°C	34.7°C	35.2°C	0.95
A1	35.6°C	35.0°C	36.3°C	0.95

Name	Temperature	Emissivity
Hot	39.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005263.IS2-No1 Steering Gear panel



Visible Light Image

12/3/2016 4:39:54 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	37.2°C	36.8°C	37.8°C	0.95
A1	39.4°C	38.3°C	40.5°C	0.95
A2	40.6°C	40.2°C	40.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005264.IS2-No1 Steering Gear panel



Visible Light Image

12/3/2016 4:40:13 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	35.7°C	34.7°C	37.1°C	0.95

Name	Temperature	Emissivity
Hot	41.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005265.IS2-No1 Steering Gear panel



Visible Light Image

12/3/2016 4:40:31 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	34.3°C	33.7°C	34.8°C	0.95
A1	35.2°C	34.4°C	35.6°C	0.95

Name	Temperature	Emissivity
Hot	35.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005266.IS2-No1 Steering Gear panel



Visible Light Image

12/3/2016 4:41:10 PM

Main Image Markers

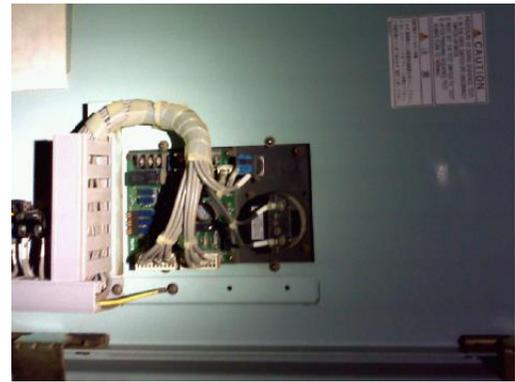
Name	Avg	Min	Max	Emissivity
A0	31.0°C	30.5°C	31.9°C	0.95

Name	Temperature	Emissivity
Hot	41.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005267.IS2-No1 Steering Gear panel



Visible Light Image

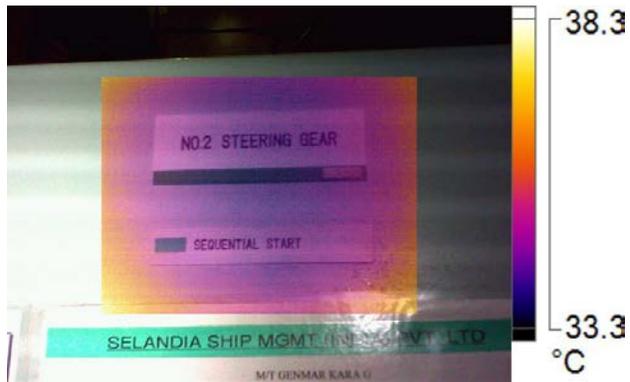
12/3/2016 4:41:31 PM

Main Image Markers

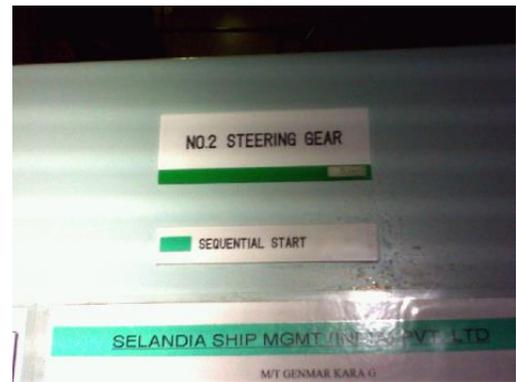
Name	Avg	Min	Max	Emissivity
A0	33.6°C	32.3°C	35.8°C	0.95

Name	Temperature	Emissivity
Hot	36.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section

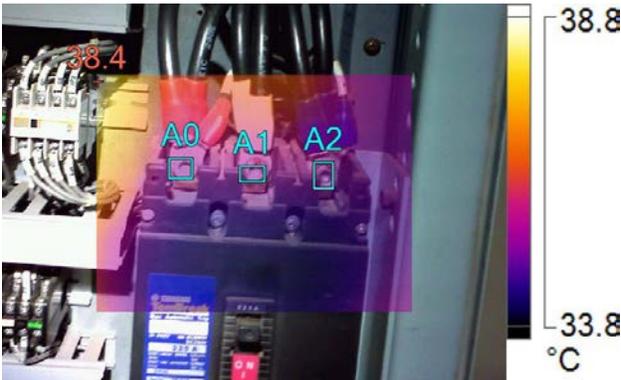


IR005268.IS2-No2 Steering Gear panel



Visible Light Image

12/3/2016 4:42:11 PM



IR005269.IS2-No2 Steering Gear panel
12/3/2016 4:42:29 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	35.0°C	34.7°C	35.4°C	0.95
A1	35.0°C	34.6°C	35.3°C	0.95
A2	34.9°C	34.6°C	35.2°C	0.95

Name	Temperature	Emissivity
Hot	38.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005270.IS2-No2 Steering Gear panel
12/3/2016 4:42:45 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	34.2°C	34.0°C	34.5°C	0.95
A1	34.1°C	33.9°C	34.3°C	0.95
A2	34.0°C	33.8°C	34.1°C	0.95
A3	33.7°C	33.4°C	34.2°C	0.95

Name	Temperature	Emissivity
Hot	35.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005271.IS2-No2 Steering Gear panel
12/3/2016 4:44:03 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	34.2°C	33.7°C	34.5°C	0.95
A1	33.7°C	33.2°C	34.1°C	0.95
A2	32.7°C	32.5°C	33.0°C	0.95

Name	Temperature	Emissivity
Hot	37.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005272.IS2-No2 Steering Gear panel
12/3/2016 4:44:19 PM



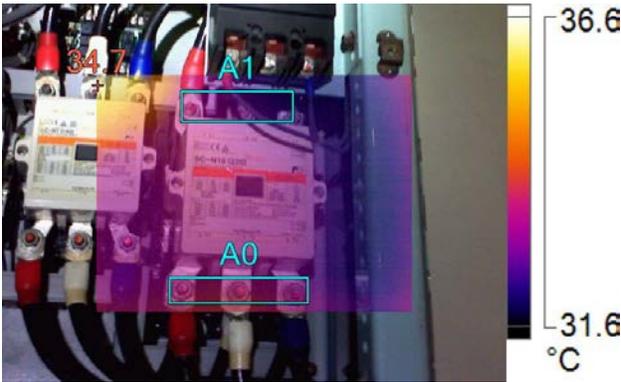
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	33.1°C	32.8°C	33.5°C	0.95
A1	33.5°C	33.2°C	33.8°C	0.95
A2	33.2°C	32.9°C	33.6°C	0.95

Name	Temperature	Emissivity
Hot	34.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005273.IS2-No2 Steering Gear panel
12/3/2016 4:45:23 PM



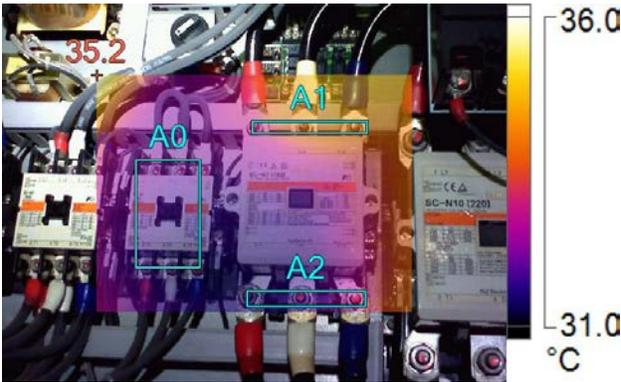
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	32.8°C	32.3°C	33.2°C	0.95
A1	32.4°C	31.8°C	33.0°C	0.95

Name	Temperature	Emissivity
Hot	34.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005274.IS2-No2 Steering Gear panel
12/3/2016 4:45:33 PM



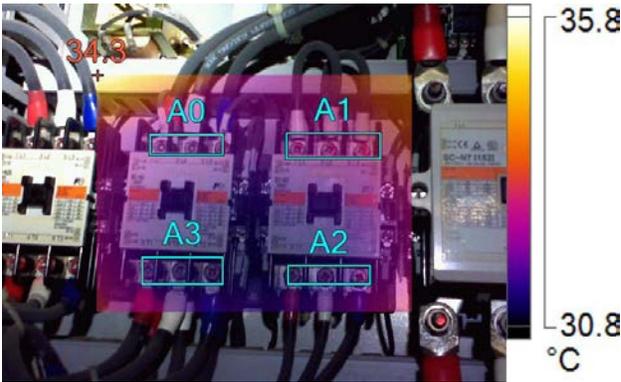
Visible Light Image

Main Image Markers

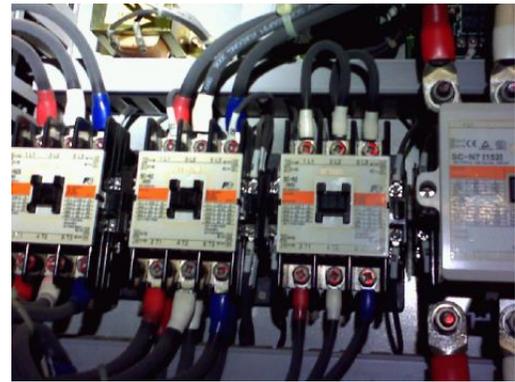
Name	Avg	Min	Max	Emissivity
A0	31.6°C	31.1°C	32.1°C	0.95
A1	33.3°C	32.4°C	33.8°C	0.95
A2	31.8°C	31.2°C	32.9°C	0.95

Name	Temperature	Emissivity
Hot	35.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005275.IS2-No2 Steering Gear panel
12/3/2016 4:45:49 PM



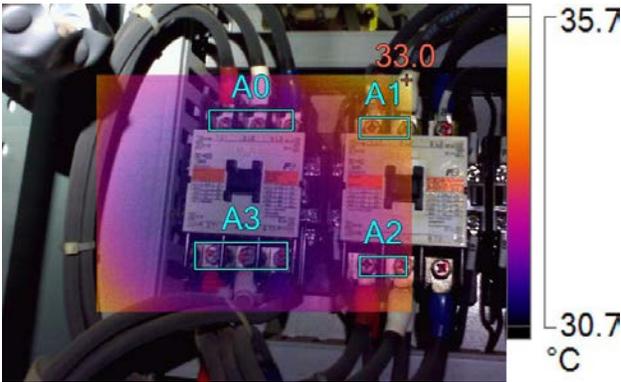
Visible Light Image

Main Image Markers

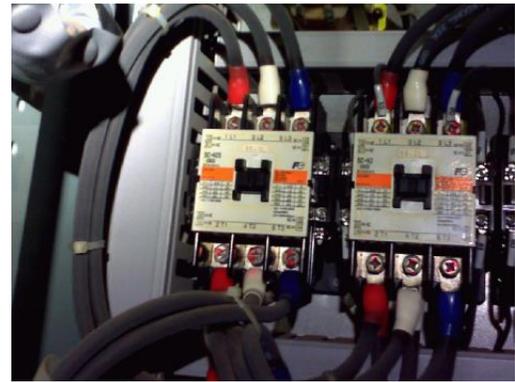
Name	Avg	Min	Max	Emissivity
A0	31.6°C	31.4°C	31.9°C	0.95
A1	31.9°C	31.4°C	32.5°C	0.95
A2	31.3°C	30.8°C	31.8°C	0.95
A3	31.2°C	30.9°C	31.6°C	0.95

Name	Temperature	Emissivity
Hot	34.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005276.IS2-No2 Steering Gear panel
12/3/2016 4:45:55 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	31.3°C	31.0°C	31.6°C	0.95
A1	32.1°C	31.7°C	32.5°C	0.95
A2	31.5°C	31.2°C	32.0°C	0.95
A3	31.0°C	30.7°C	31.3°C	0.95

Name	Temperature	Emissivity
Hot	33.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005277.IS2-No2 Steering Gear panel
12/3/2016 4:46:12 PM



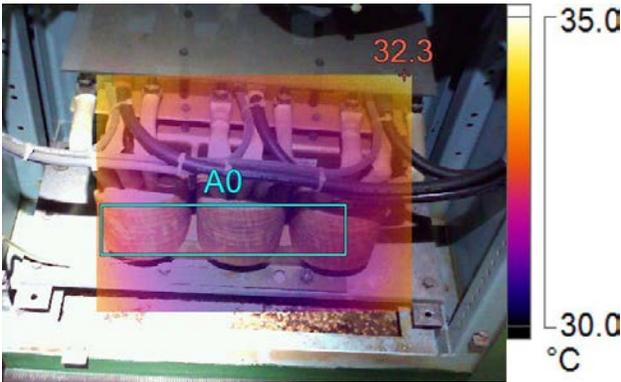
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	31.2°C	30.9°C	31.5°C	0.95

Name	Temperature	Emissivity
Hot	32.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005278.IS2-No2 Steering Gear panel
12/3/2016 4:46:30 PM



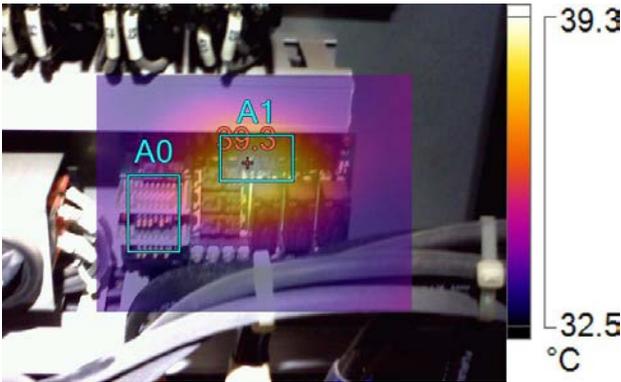
Visible Light Image

Main Image Markers

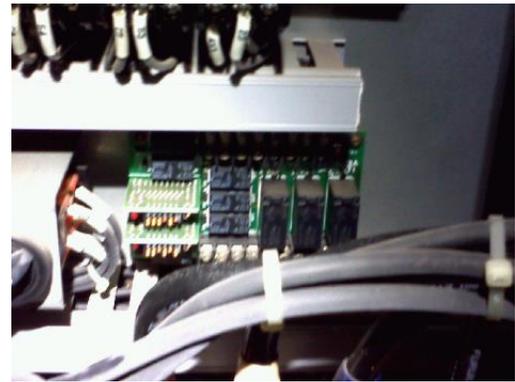
Name	Avg	Min	Max	Emissivity
A0	30.5°C	30.1°C	31.4°C	0.95

Name	Temperature	Emissivity
Hot	32.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005279.IS2-No2 Steering Gear panel
12/3/2016 4:46:44 PM



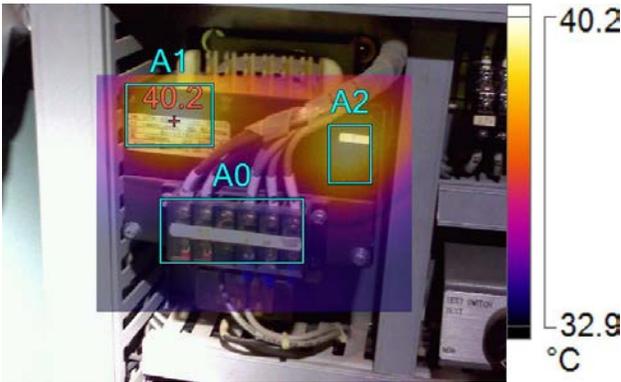
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	34.2°C	33.0°C	35.9°C	0.95
A1	38.4°C	36.4°C	39.3°C	0.95

Name	Temperature	Emissivity
Hot	39.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005280.IS2-No2 Steering Gear panel
12/3/2016 4:46:54 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	33.9°C	33.0°C	36.5°C	0.95
A1	39.3°C	37.4°C	40.2°C	0.95
A2	39.4°C	38.0°C	40.0°C	0.95

Name	Temperature	Emissivity
Hot	40.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005281.IS2-No2 Steering Gear panel
12/3/2016 4:47:06 PM



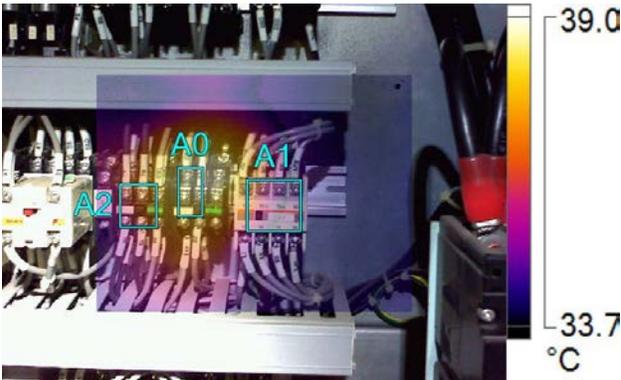
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	35.0°C	34.0°C	36.2°C	0.95

Name	Temperature	Emissivity
Hot	36.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005282.IS2-No2 Steering Gear panel
12/3/2016 4:47:12 PM

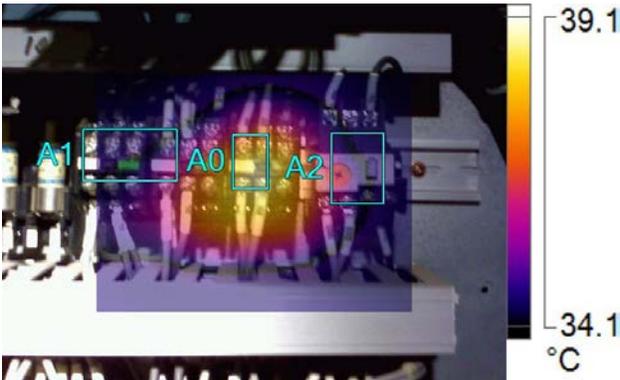


Visible Light Image

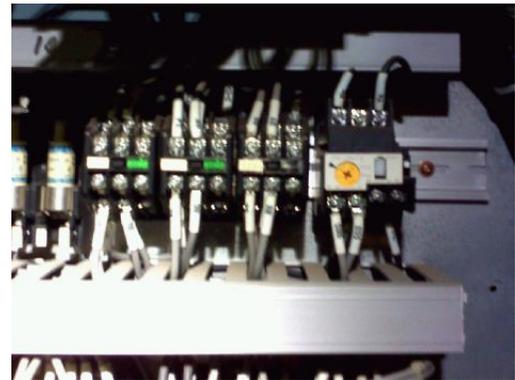
Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.6°C	38.2°C	39.0°C	0.95
A1	36.3°C	34.8°C	38.0°C	0.95
A2	37.5°C	36.6°C	38.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005283.IS2-No2 Steering Gear panel
12/3/2016 4:47:18 PM

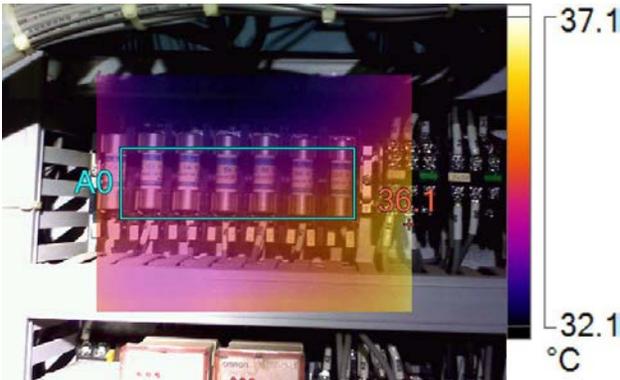


Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.4°C	37.2°C	39.1°C	0.95
A1	35.9°C	34.9°C	37.3°C	0.95
A2	36.1°C	35.0°C	37.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005284.IS2-No2 Steering Gear panel
12/3/2016 4:47:26 PM



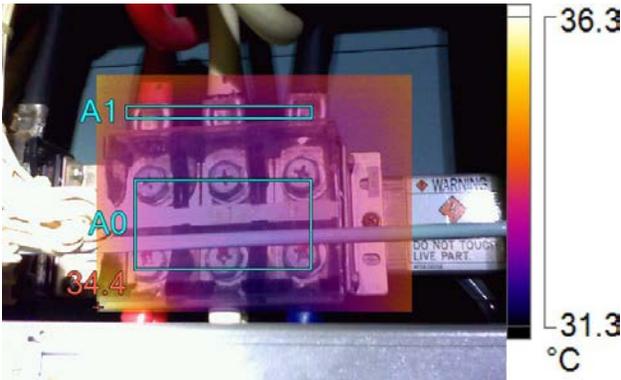
Visible Light Image

Main Image Markers

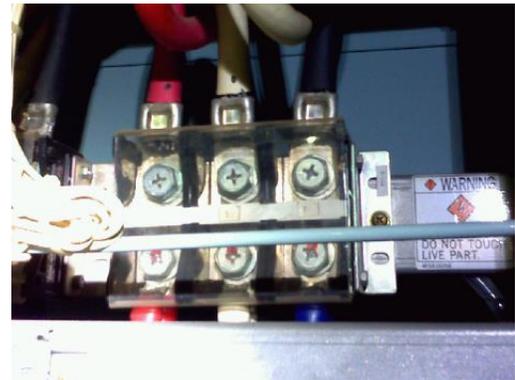
Name	Avg	Min	Max	Emissivity
A0	33.6°C	32.8°C	34.8°C	0.95

Name	Temperature	Emissivity
Hot	36.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005285.IS2-No2 Steering Gear panel
12/3/2016 4:47:37 PM



Visible Light Image

Main Image Markers

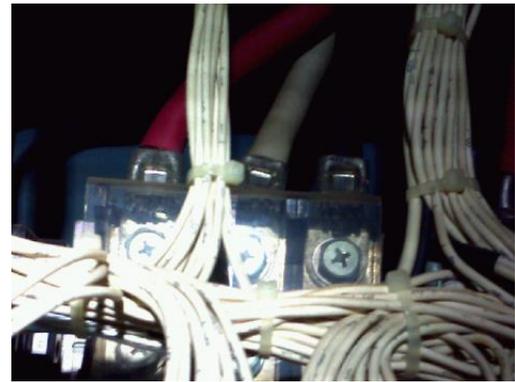
Name	Avg	Min	Max	Emissivity
A0	32.1°C	31.6°C	32.8°C	0.95
A1	32.4°C	32.1°C	33.0°C	0.95

Name	Temperature	Emissivity
Hot	34.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005286.IS2-No2 Steering Gear panel
12/3/2016 4:48:11 PM



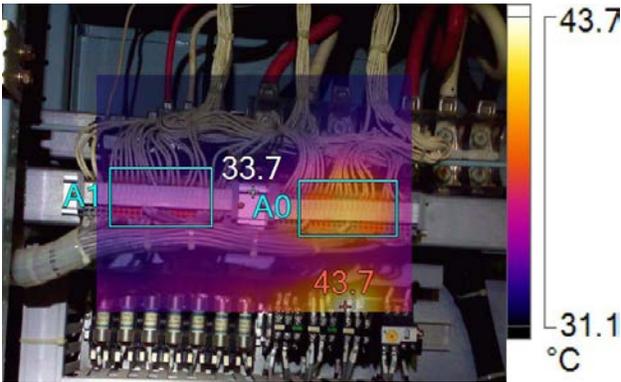
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	31.2°C	30.9°C	31.3°C	0.95
A1	31.3°C	31.1°C	31.4°C	0.95
A2	31.6°C	31.5°C	31.8°C	0.95
A3	31.7°C	31.5°C	31.9°C	0.95
A4	31.4°C	31.2°C	31.6°C	0.95
A5	31.3°C	31.1°C	31.6°C	0.95

Name	Temperature	Emissivity
Hot	32.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005287.IS2-No2 Steering Gear panel
12/3/2016 4:48:18 PM



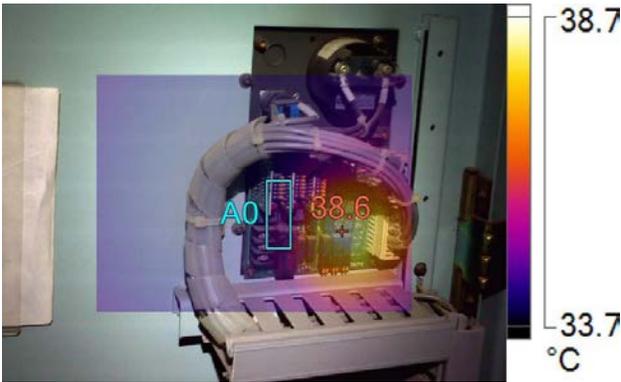
Visible Light Image

Main Image Markers

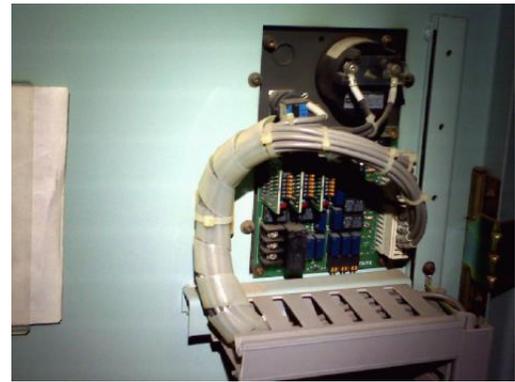
Name	Avg	Min	Max	Emissivity
A0	37.3°C	34.1°C	39.4°C	0.95
A1	33.5°C	32.4°C	34.6°C	0.95

Name	Temperature	Emissivity
Centerpoint	33.7°C	0.95
Hot	43.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005288.IS2-No2 Steering Gear panel
12/3/2016 4:48:42 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	35.4°C	34.4°C	36.6°C	0.95

Name	Temperature	Emissivity
Hot	38.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section

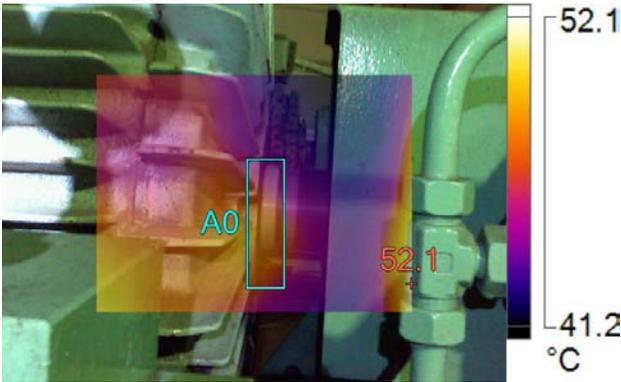


IR005289.IS2-No1 Steering gear
12/3/2016 5:02:51 PM



Visible Light Image

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005290.IS2-No1 Steering gear



Visible Light Image

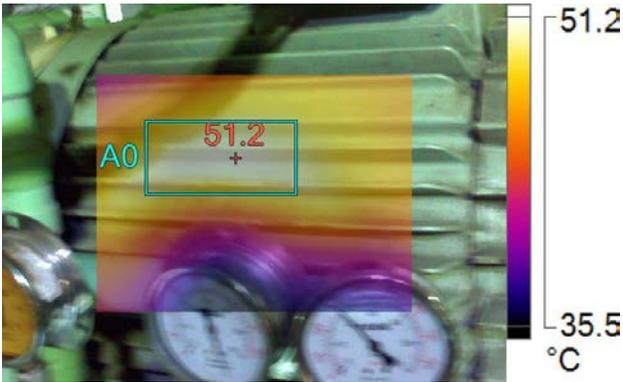
12/3/2016 5:03:14 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	48.5°C	45.4°C	50.0°C	0.95

Name	Temperature	Emissivity
Hot	52.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005291.IS2-No1 Steering gear



Visible Light Image

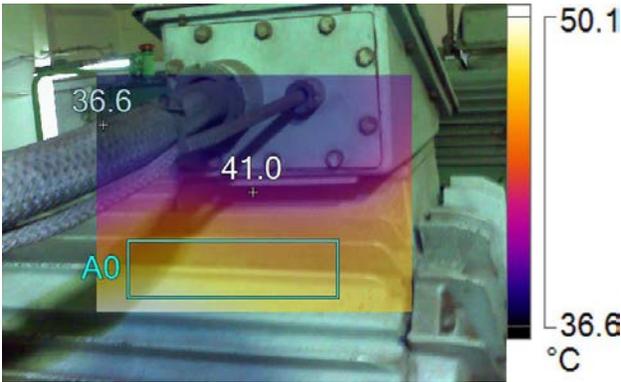
12/3/2016 5:03:47 PM

Main Image Markers

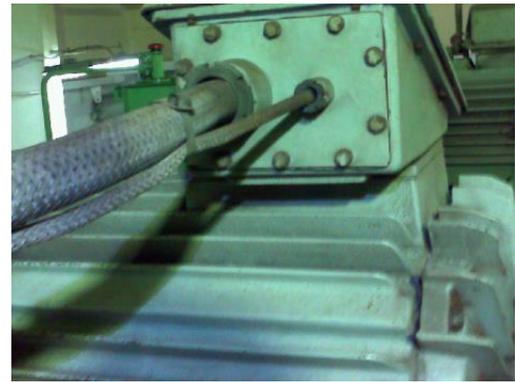
Name	Avg	Min	Max	Emissivity
A0	50.3°C	48.1°C	51.2°C	0.95

Name	Temperature	Emissivity
Hot	51.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005292.IS2-No1 Steering gear



Visible Light Image

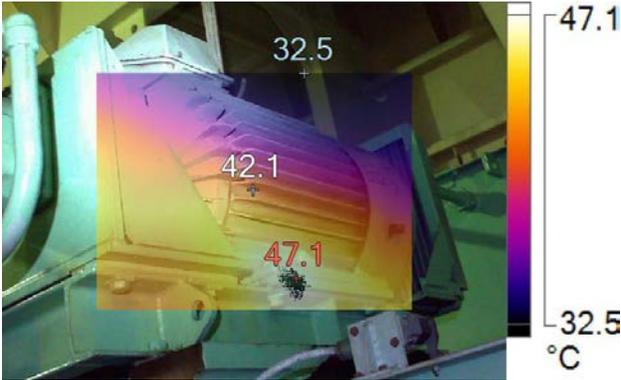
12/3/2016 5:04:02 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	46.7°C	44.5°C	49.4°C	0.95

Name	Temperature	Emissivity
Centerpoint	41.0°C	0.95
Cold	36.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005293.IS2-No1 Steering gear



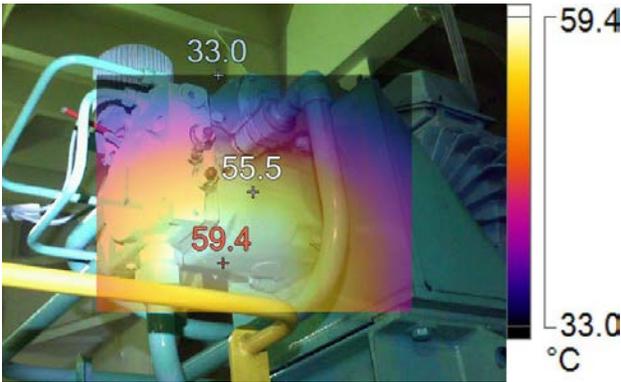
Visible Light Image

12/3/2016 5:05:18 PM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	42.1°C	0.95
Hot	47.1°C	0.95
Cold	32.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005294.IS2-No1 Steering gear



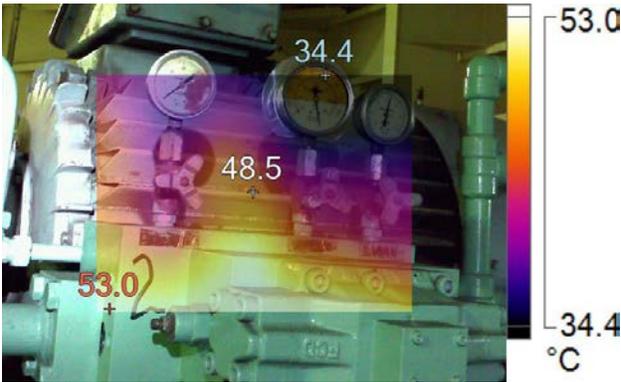
Visible Light Image

12/3/2016 5:05:27 PM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	55.5°C	0.95
Hot	59.4°C	0.95
Cold	33.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005295.IS2-No1 Steering gear



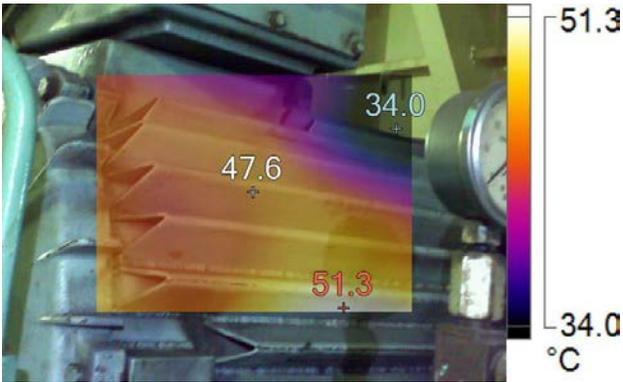
Visible Light Image

12/3/2016 5:14:37 PM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	48.5°C	0.95
Hot	53.0°C	0.95
Cold	34.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005296.IS2-No1 Steering gear



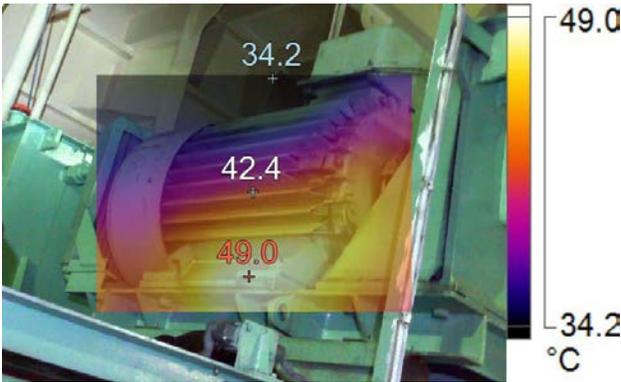
Visible Light Image

12/3/2016 5:14:46 PM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	47.6°C	0.95
Hot	51.3°C	0.95
Cold	34.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005297.IS2-No1 Steering gear



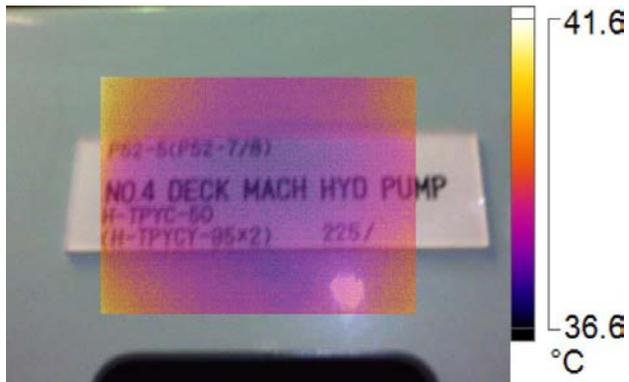
Visible Light Image

12/3/2016 5:15:13 PM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	42.4°C	0.95
Hot	49.0°C	0.95
Cold	34.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section

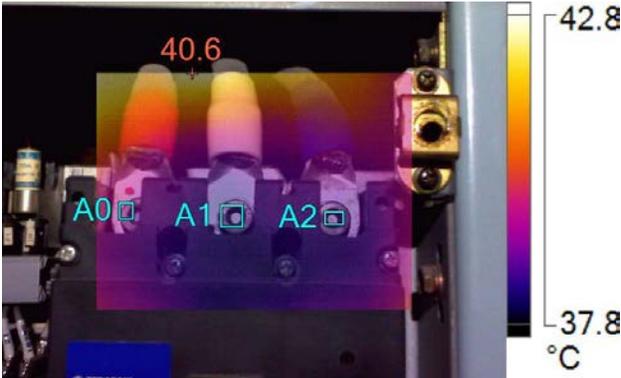


IR005298.IS2-No4 Deck Hyd Pump
12/3/2016 5:55:14 PM

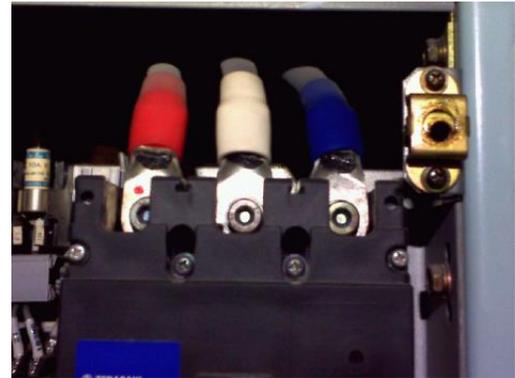


Visible Light Image

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005299.IS2-No4 Deck Hyd Pump



Visible Light Image

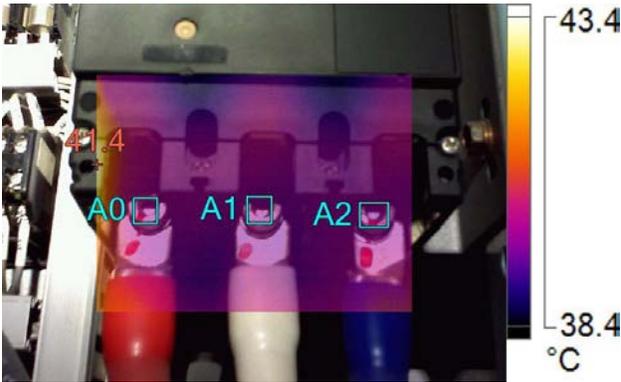
12/3/2016 5:55:34 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.5°C	38.4°C	38.7°C	0.95
A1	38.1°C	37.9°C	38.2°C	0.95
A2	38.2°C	38.1°C	38.4°C	0.95

Name	Temperature	Emissivity
Hot	40.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005300.IS2-No4 Deck Hyd Pump



Visible Light Image

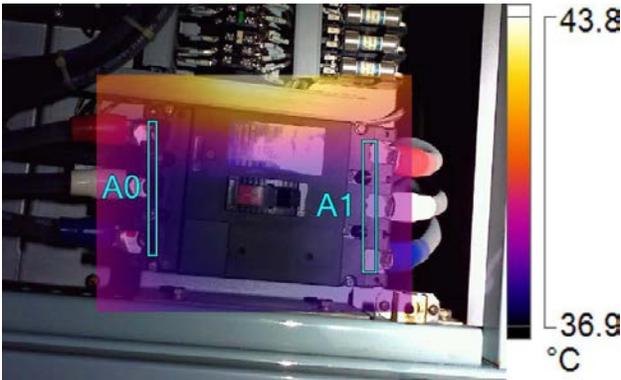
12/3/2016 5:55:48 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	39.4°C	39.2°C	39.6°C	0.95
A2	39.3°C	39.1°C	39.4°C	0.95
A1	39.2°C	39.0°C	39.3°C	0.95

Name	Temperature	Emissivity
Hot	41.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005301.IS2-No4 Deck Hyd Pump



Visible Light Image

12/3/2016 5:56:04 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.4°C	37.8°C	40.0°C	0.95
A1	38.4°C	37.9°C	39.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005302.IS2-No4 Deck Hyd Pump



Visible Light Image

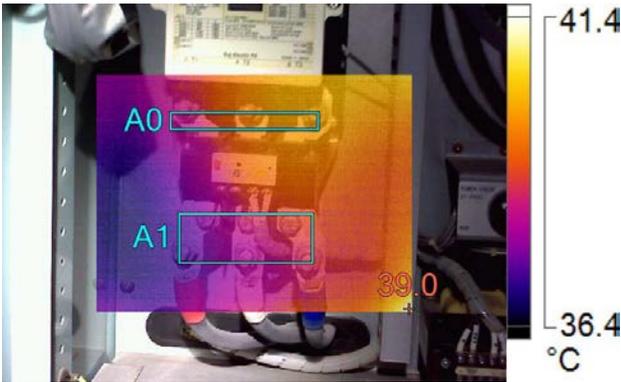
12/3/2016 5:56:14 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.9°C	38.1°C	39.6°C	0.95
A1	38.0°C	37.4°C	38.3°C	0.95

Name	Temperature	Emissivity
Centerpoint	38.2°C	0.95
Hot	40.1°C	0.95
Cold	36.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005303.IS2-No4 Deck Hyd Pump



Visible Light Image

12/3/2016 5:56:20 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	37.9°C	37.1°C	38.5°C	0.95
A1	37.3°C	36.7°C	37.9°C	0.95

Name	Temperature	Emissivity
Hot	39.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005304.IS2-No4 Deck Hyd Pump



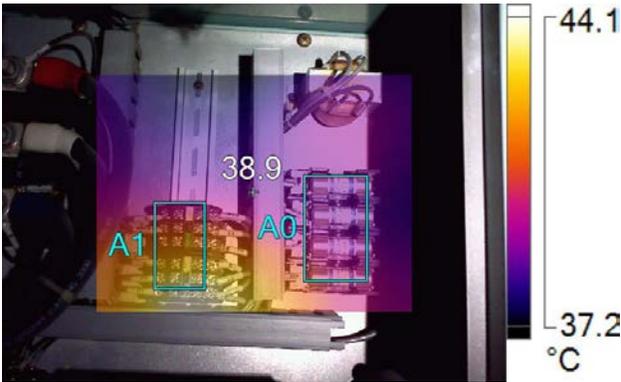
Visible Light Image

12/3/2016 5:56:32 PM

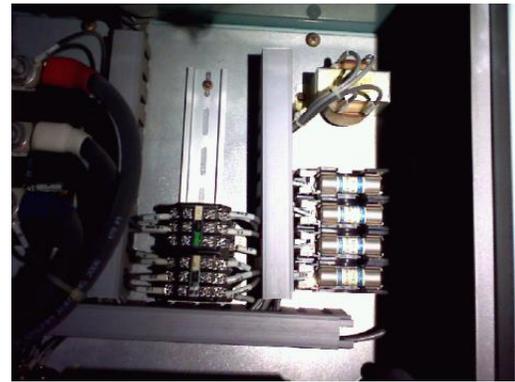
Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	39.4°C	38.7°C	39.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005305.IS2-No4 Deck Hyd Pump



Visible Light Image

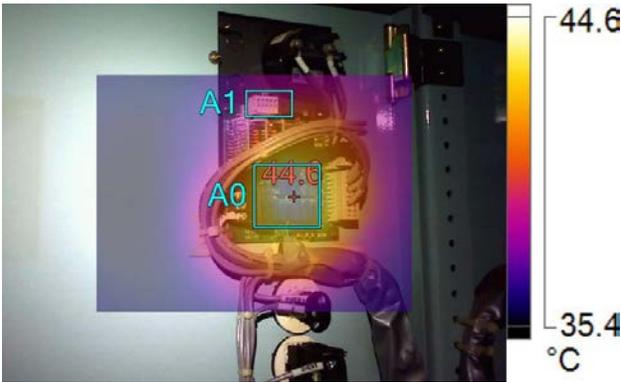
12/3/2016 5:56:45 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	39.2°C	38.6°C	40.7°C	0.95
A1	41.6°C	39.4°C	43.7°C	0.95

Name	Temperature	Emissivity
Centerpoint	38.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005306.IS2-No4 Deck Hyd Pump



Visible Light Image

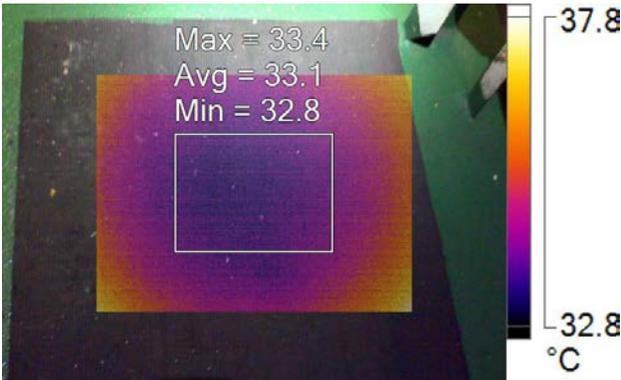
12/3/2016 5:56:53 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	43.7°C	42.0°C	44.6°C	0.95
A1	39.0°C	37.9°C	40.6°C	0.95

Name	Temperature	Emissivity
Hot	44.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005307.IS2-Room Temperature
12/3/2016 5:56:59 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
Centerbox	33.1°C	32.8°C	33.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005308.IS2-No4 Deck Hyd Pump



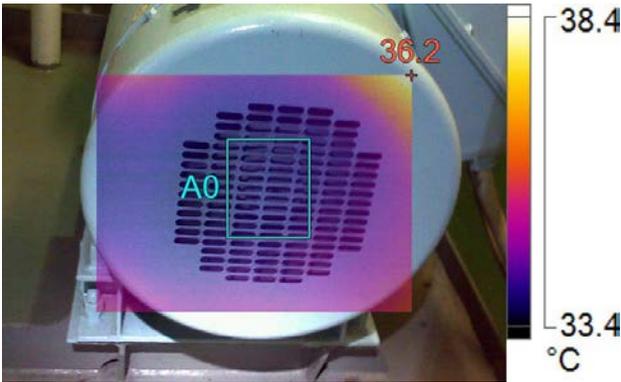
Visible Light Image

12/3/2016 5:57:31 PM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	39.2°C	0.95
Hot	41.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005309.IS2-No4 Deck Hyd Pump



Visible Light Image

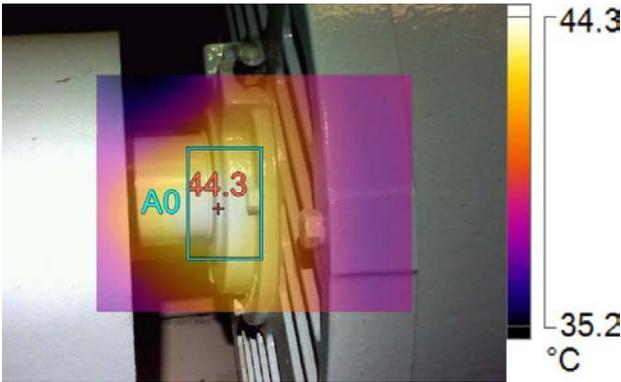
12/3/2016 5:57:40 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	33.7°C	33.4°C	34.1°C	0.95

Name	Temperature	Emissivity
Hot	36.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005310.IS2-No4 Deck Hyd Pump



Visible Light Image

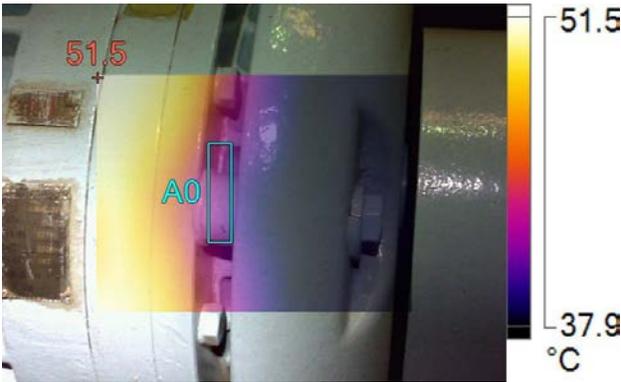
12/3/2016 5:57:52 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	43.3°C	40.9°C	44.3°C	0.95

Name	Temperature	Emissivity
Hot	44.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005311.IS2-No4 Deck Hyd Pump



Visible Light Image

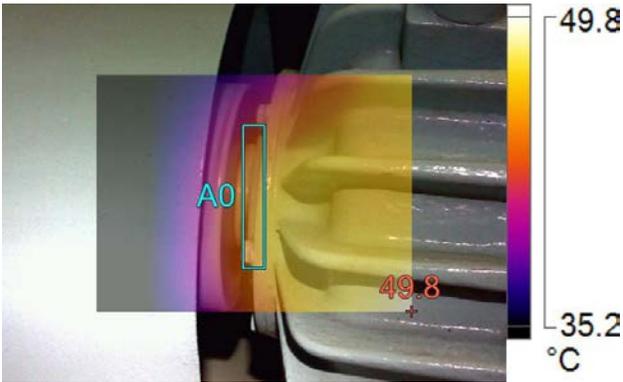
12/3/2016 5:58:02 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	43.4°C	41.7°C	46.0°C	0.95

Name	Temperature	Emissivity
Hot	51.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005312.IS2-No4 Deck Hyd Pump



Visible Light Image

12/3/2016 5:58:14 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	46.7°C	43.5°C	48.2°C	0.95

Name	Temperature	Emissivity
Hot	49.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005313.IS2-No4 Deck Hyd Pump



Visible Light Image

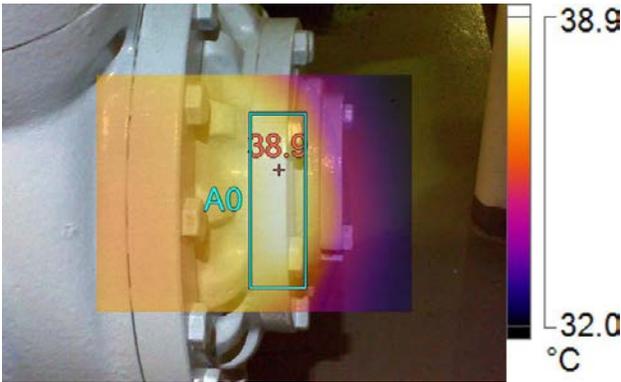
12/3/2016 5:58:22 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	40.9°C	39.2°C	42.2°C	0.95

Name	Temperature	Emissivity
Hot	42.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005314.IS2-No4 Deck Hyd Pump



Visible Light Image

12/3/2016 5:58:37 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.4°C	37.0°C	38.9°C	0.95

Name	Temperature	Emissivity
Hot	38.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005315.IS2-No4 Deck Hyd Pump



Visible Light Image

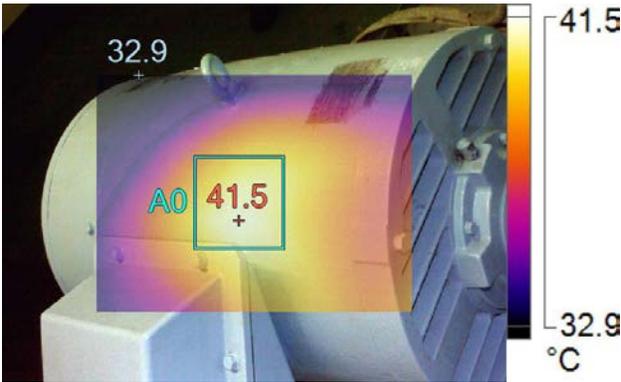
12/3/2016 5:58:48 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	41.5°C	40.5°C	41.9°C	0.95

Name	Temperature	Emissivity
Centerpoint	39.4°C	0.95
Hot	41.9°C	0.95
Cold	35.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005316.IS2-No4 Deck Hyd Pump



Visible Light Image

12/3/2016 5:58:56 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	40.7°C	38.5°C	41.5°C	0.95

Name	Temperature	Emissivity
Hot	41.5°C	0.95
Cold	32.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005317.IS2-Emergency Fire pump
12/3/2016 7:01:50 PM



Visible Light Image

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005318.IS2-Emergency Fire pump



Visible Light Image

12/3/2016 7:05:53 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	37.3°C	36.9°C	37.7°C	0.95
A1	38.0°C	37.6°C	38.3°C	0.95
A2	37.6°C	37.2°C	38.3°C	0.95

Name	Temperature	Emissivity
Hot	41.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005319.IS2-Emergency Fire pump



Visible Light Image

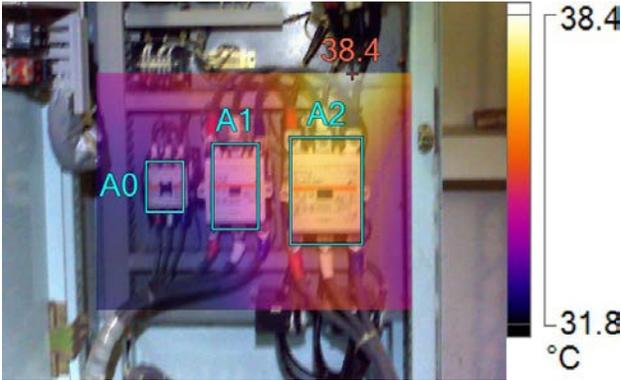
12/3/2016 7:06:03 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	41.3°C	40.4°C	41.8°C	0.95
A1	41.9°C	41.7°C	42.1°C	0.95
A2	40.8°C	40.3°C	41.4°C	0.95

Name	Temperature	Emissivity
Hot	43.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005320.IS2-Emergency Fire pump



Visible Light Image

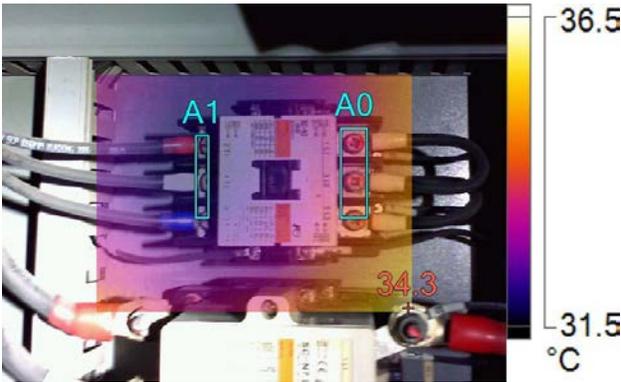
12/3/2016 7:06:26 PM

Main Image Markers

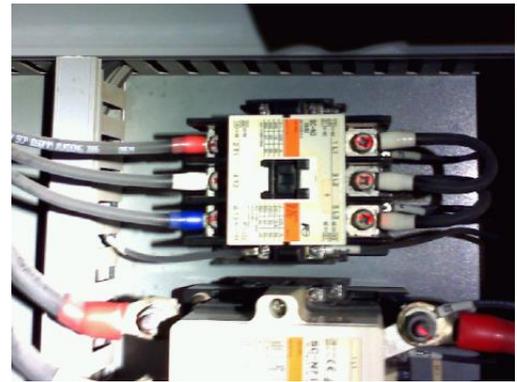
Name	Avg	Min	Max	Emissivity
A0	33.2°C	32.5°C	34.2°C	0.95
A1	34.7°C	33.2°C	36.2°C	0.95
A2	36.8°C	35.6°C	37.6°C	0.95

Name	Temperature	Emissivity
Hot	38.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005321.IS2-Emergency Fire pump



Visible Light Image

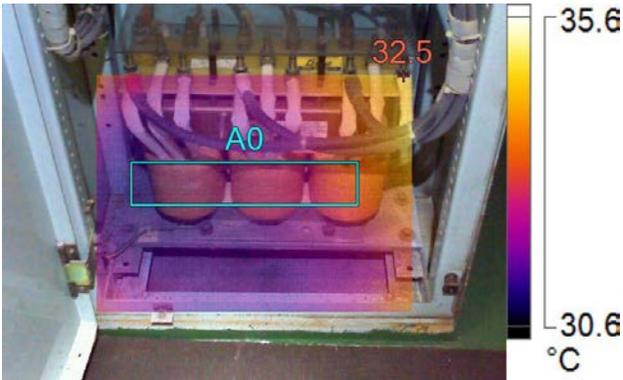
12/3/2016 7:06:40 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	32.8°C	32.4°C	33.2°C	0.95
A1	31.8°C	31.5°C	32.1°C	0.95

Name	Temperature	Emissivity
Hot	34.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005322.IS2-Emergency Fire pump



Visible Light Image

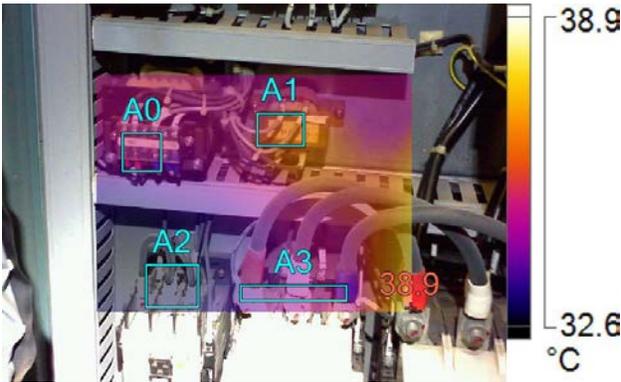
12/3/2016 7:06:50 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	31.1°C	30.6°C	31.8°C	0.95

Name	Temperature	Emissivity
Hot	32.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005323.IS2-Emergency Fire pump



Visible Light Image

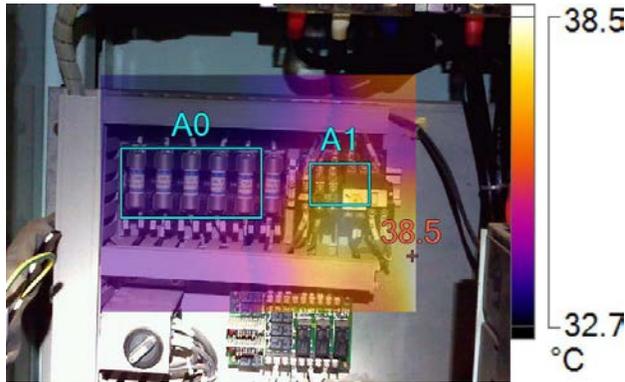
12/3/2016 7:07:01 PM

Main Image Markers

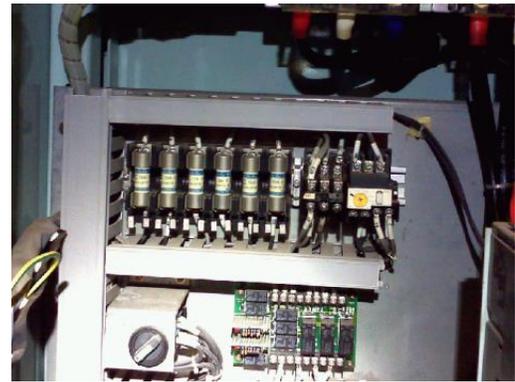
Name	Avg	Min	Max	Emissivity
A0	35.2°C	34.3°C	36.0°C	0.95
A1	36.6°C	35.9°C	37.1°C	0.95
A2	32.9°C	32.6°C	33.4°C	0.95
A3	34.9°C	33.8°C	35.9°C	0.95

Name	Temperature	Emissivity
Hot	38.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005324.IS2-Emergency Fire pump



Visible Light Image

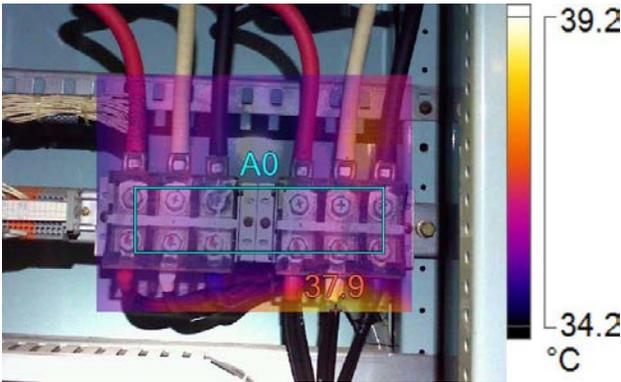
12/3/2016 7:07:09 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	34.4°C	33.4°C	36.1°C	0.95
A1	37.5°C	36.4°C	38.3°C	0.95

Name	Temperature	Emissivity
Hot	38.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005325.IS2-Emergency Fire pump



Visible Light Image

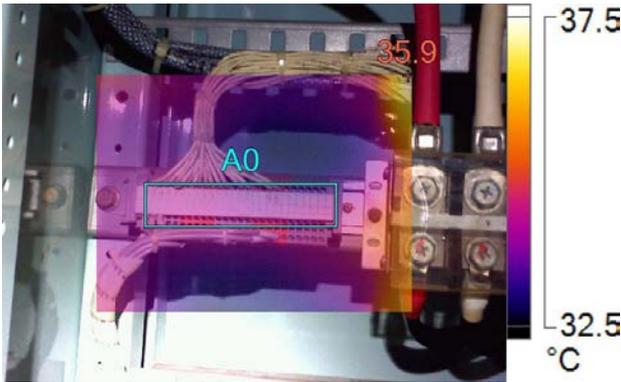
12/3/2016 7:07:14 PM

Main Image Markers

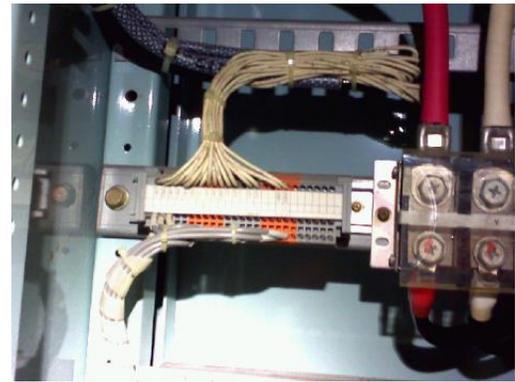
Name	Avg	Min	Max	Emissivity
A0	35.2°C	34.3°C	36.5°C	0.95

Name	Temperature	Emissivity
Hot	37.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005326.IS2-Emergency Fire pump



Visible Light Image

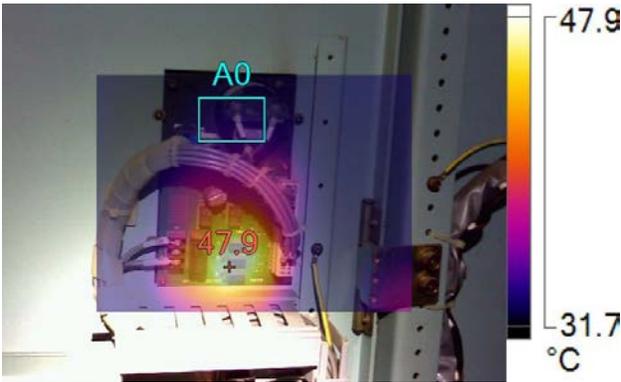
12/3/2016 7:07:21 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	33.5°C	32.9°C	33.9°C	0.95

Name	Temperature	Emissivity
Hot	35.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005327.IS2-Emergency Fire pump



Visible Light Image

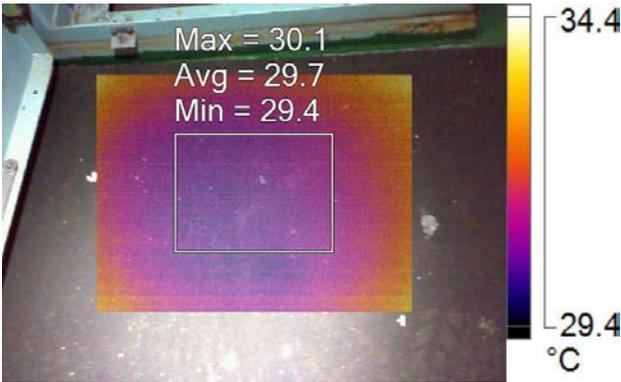
12/3/2016 7:07:50 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	33.2°C	32.2°C	34.2°C	0.95

Name	Temperature	Emissivity
Hot	47.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005328.IS2-Room temperature
12/3/2016 7:07:58 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
Centerbox	29.7°C	29.4°C	30.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section

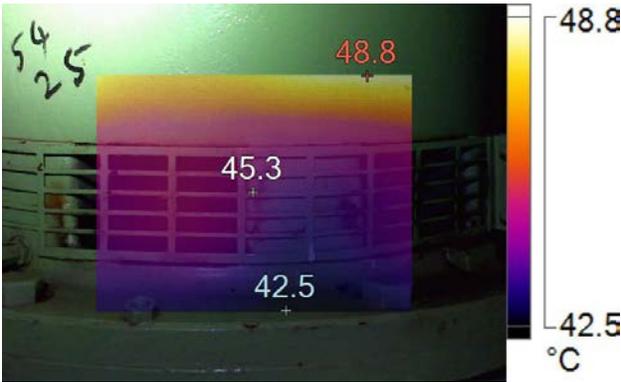


IR005329.IS2-Emergency fire Pump
12/3/2016 7:36:42 PM



Visible Light Image

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005330.IS2-Emergency fire Pump
12/3/2016 7:36:57 PM

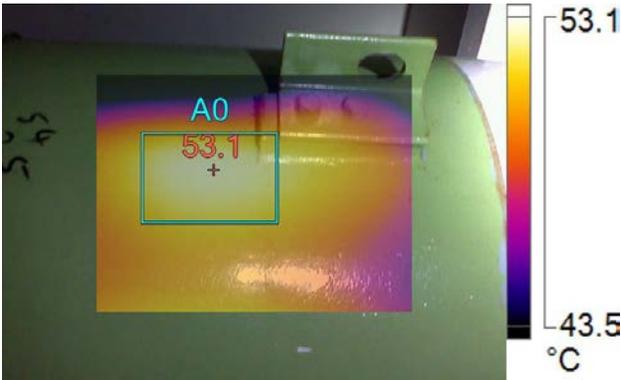


Visible Light Image

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	45.3°C	0.95
Hot	48.8°C	0.95
Cold	42.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005331.IS2-Emergency fire Pump
12/3/2016 7:37:16 PM



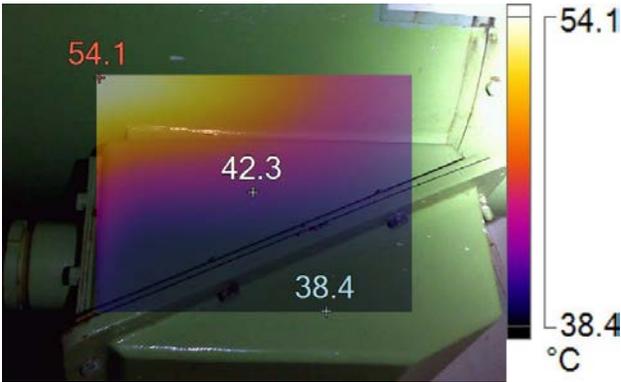
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	52.4°C	50.9°C	53.1°C	0.95

Name	Temperature	Emissivity
Hot	53.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005332.IS2-Emergency fire Pump
12/3/2016 7:37:33 PM

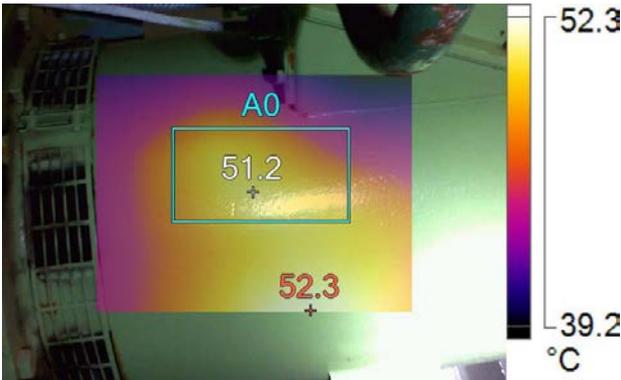


Visible Light Image

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	42.3°C	0.95
Hot	54.1°C	0.95
Cold	38.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005333.IS2-Emergency fire Pump
12/3/2016 7:37:53 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	49.8°C	44.7°C	51.3°C	0.95

Name	Temperature	Emissivity
Centerpoint	51.2°C	0.95
Hot	52.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005334.IS2-Emergency fire Pump
12/3/2016 7:38:01 PM



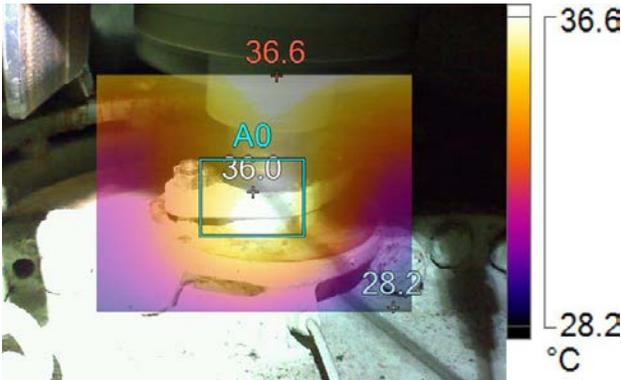
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	50.5°C	49.3°C	51.8°C	0.95

Name	Temperature	Emissivity
Centerpoint	46.6°C	0.95
Hot	53.2°C	0.95
Cold	40.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005335.IS2-Emergency fire Pump
12/3/2016 7:38:22 PM



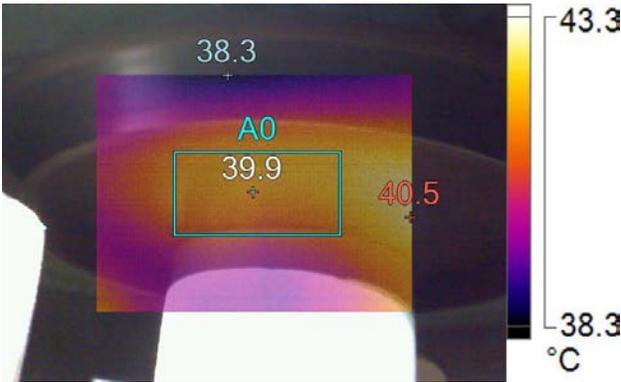
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	35.6°C	34.0°C	36.5°C	0.95

Name	Temperature	Emissivity
Centerpoint	36.0°C	0.95
Hot	36.6°C	0.95
Cold	28.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005336.IS2-Emergency fire Pump
12/3/2016 7:38:45 PM



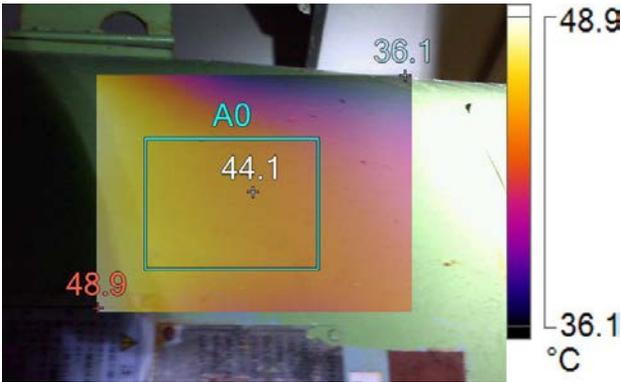
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	39.8°C	39.2°C	40.3°C	0.95

Name	Temperature	Emissivity
Centerpoint	39.9°C	0.95
Hot	40.5°C	0.95
Cold	38.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005337.IS2-Emergency fire Pump
12/3/2016 7:39:07 PM



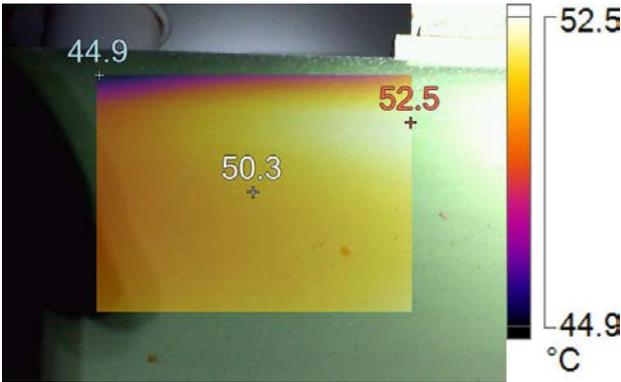
Visible Light Image

Main Image Markers

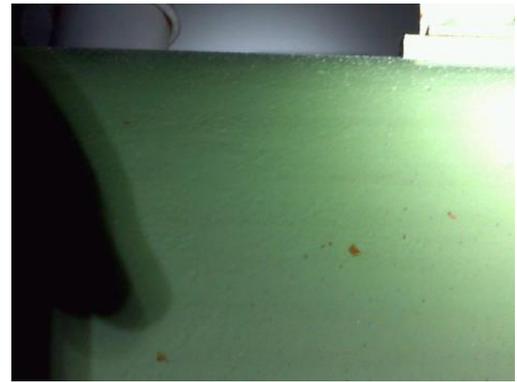
Name	Avg	Min	Max	Emissivity
A0	44.7°C	41.7°C	47.1°C	0.95

Name	Temperature	Emissivity
Centerpoint	44.1°C	0.95
Hot	48.9°C	0.95
Cold	36.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005338.IS2-Emergency fire Pump
12/3/2016 7:39:14 PM

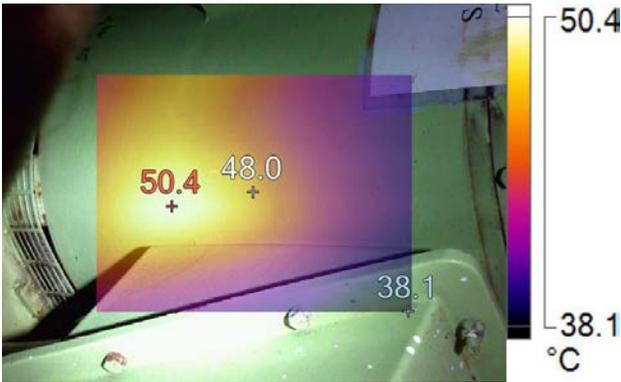


Visible Light Image

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	50.3°C	0.95
Hot	52.5°C	0.95
Cold	44.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005339.IS2-Emergency fire Pump
12/3/2016 7:40:28 PM



Visible Light Image

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	48.0°C	0.95
Hot	50.4°C	0.95
Cold	38.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005340.IS2-Emergency fire Pump
12/3/2016 7:40:37 PM



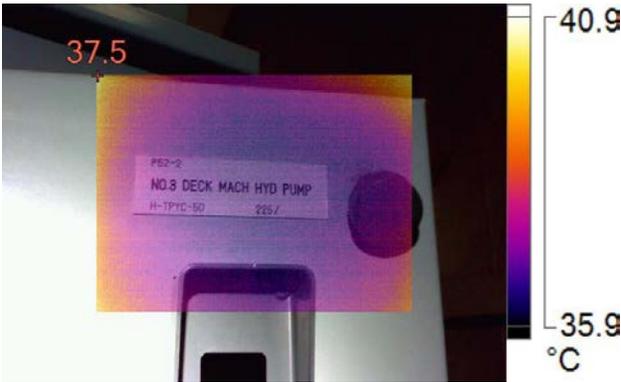
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	40.7°C	35.7°C	48.2°C	0.95

Name	Temperature	Emissivity
Centerpoint	41.3°C	0.95
Hot	49.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005341.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:02:30 PM

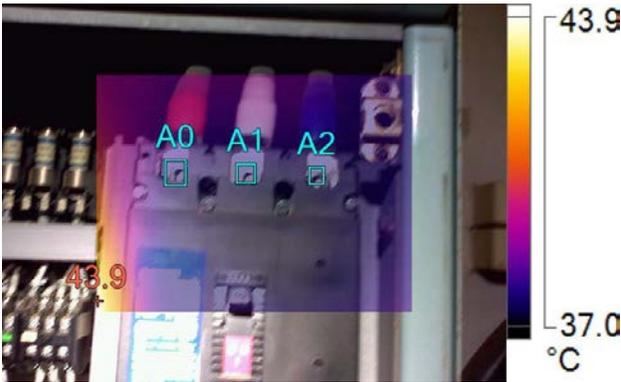


Visible Light Image

Main Image Markers

Name	Temperature	Emissivity
Hot	37.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005342.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:02:55 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	37.8°C	37.4°C	38.1°C	0.95
A1	37.5°C	37.4°C	37.8°C	0.95
A2	37.5°C	37.4°C	37.8°C	0.95

Name	Temperature	Emissivity
Hot	43.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005343.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:03:05 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.0°C	37.7°C	38.3°C	0.95
A1	37.6°C	37.4°C	37.8°C	0.95
A2	37.4°C	37.1°C	37.6°C	0.95

Name	Temperature	Emissivity
Hot	43.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005344.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:03:14 PM



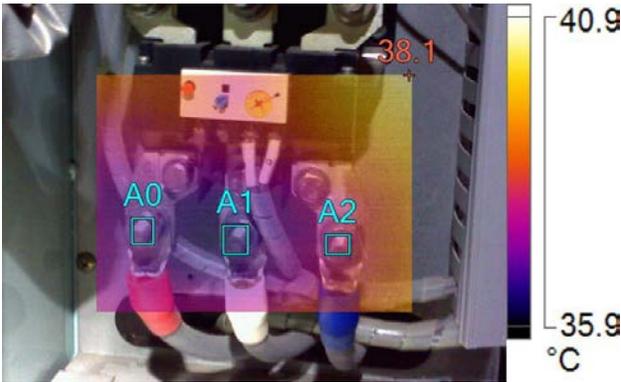
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.3°C	38.1°C	38.6°C	0.95
A1	38.6°C	38.4°C	38.9°C	0.95
A2	38.7°C	38.4°C	39.1°C	0.95
A3	37.6°C	37.4°C	37.8°C	0.95
A4	37.9°C	37.8°C	38.2°C	0.95
A5	38.2°C	38.0°C	38.4°C	0.95

Name	Temperature	Emissivity
Hot	40.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005345.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:03:24 PM



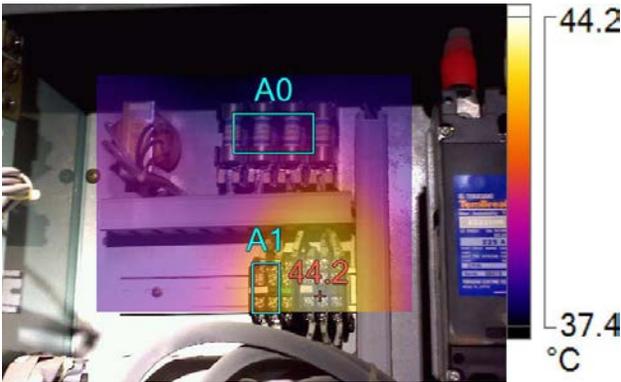
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	36.3°C	36.2°C	36.5°C	0.95
A1	36.2°C	36.0°C	36.4°C	0.95
A2	36.8°C	36.6°C	37.0°C	0.95

Name	Temperature	Emissivity
Hot	38.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005346.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:03:30 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.9°C	38.0°C	39.9°C	0.95
A1	42.2°C	41.2°C	43.0°C	0.95

Name	Temperature	Emissivity
Hot	44.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005347.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:03:48 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	36.2°C	34.9°C	39.2°C	0.95

Name	Temperature	Emissivity
Hot	53.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005348.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:04:02 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	34.4°C	34.1°C	34.9°C	0.95
A1	33.6°C	33.3°C	34.2°C	0.95

Name	Temperature	Emissivity
Centerpoint	34.4°C	0.95
Hot	38.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005350.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:04:31 PM

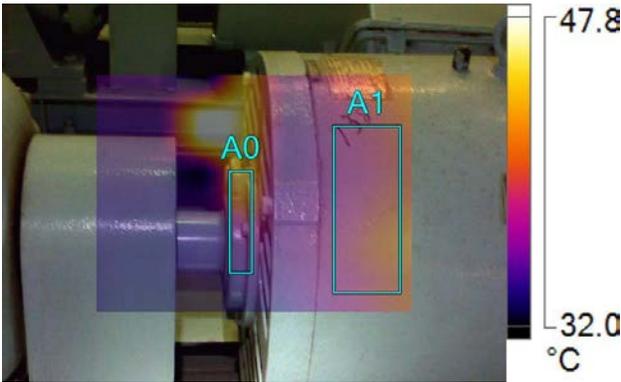


Visible Light Image

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	39.2°C	0.95
Hot	43.6°C	0.95
Cold	30.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005351.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:04:39 PM

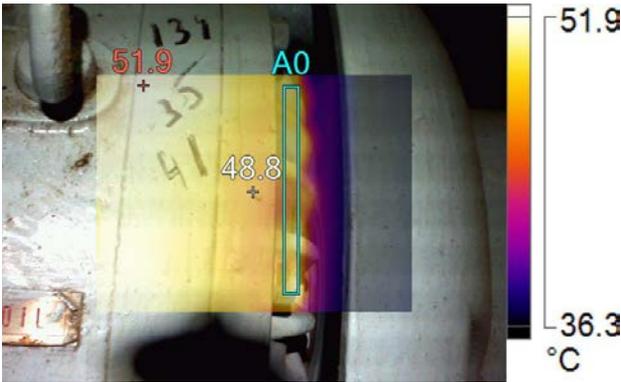


Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.9°C	34.9°C	44.0°C	0.95
A1	39.3°C	37.3°C	42.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005352.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:05:31 PM



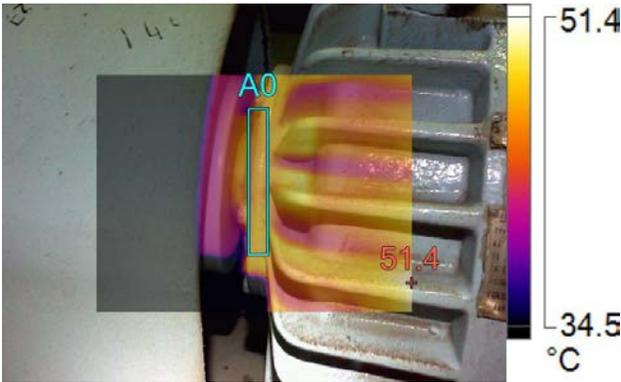
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	49.8°C	47.5°C	51.6°C	0.95

Name	Temperature	Emissivity
Centerpoint	48.8°C	0.95
Hot	51.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005353.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:05:38 PM



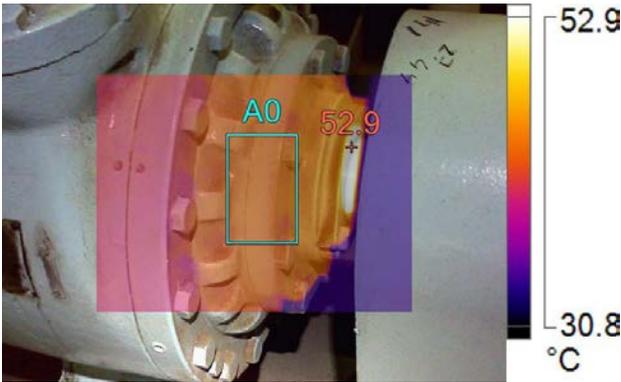
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	48.7°C	43.9°C	49.6°C	0.95

Name	Temperature	Emissivity
Hot	51.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005354.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:06:00 PM



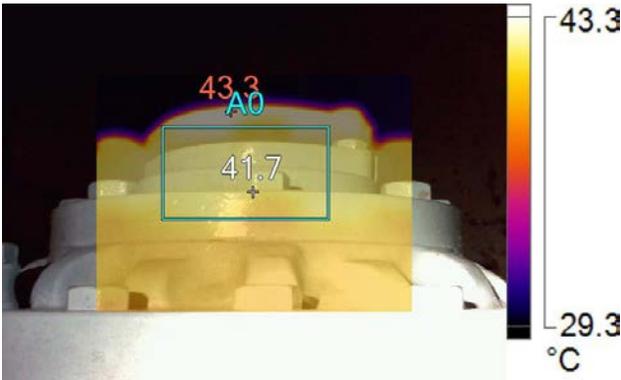
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	41.4°C	40.3°C	42.4°C	0.95

Name	Temperature	Emissivity
Hot	52.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005355.IS2-No3 Deck Hydraulic Pump
12/3/2016 8:06:12 PM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	42.0°C	40.3°C	43.0°C	0.95

Name	Temperature	Emissivity
Centerpoint	41.7°C	0.95
Hot	43.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section

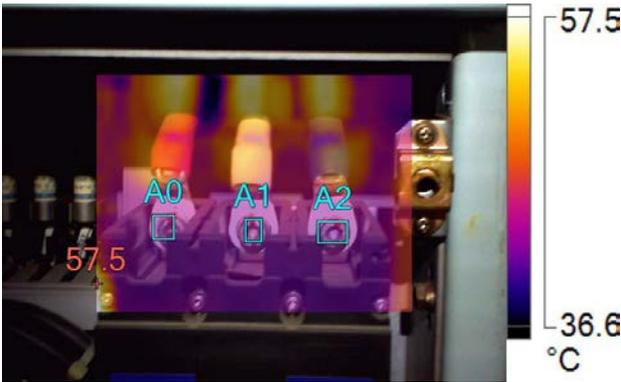


IR005356.IS2-Fire & Bilge Pump
12/3/2016 8:54:13 PM



Visible Light Image

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005357.IS2-Fire & Bilge Pump



Visible Light Image

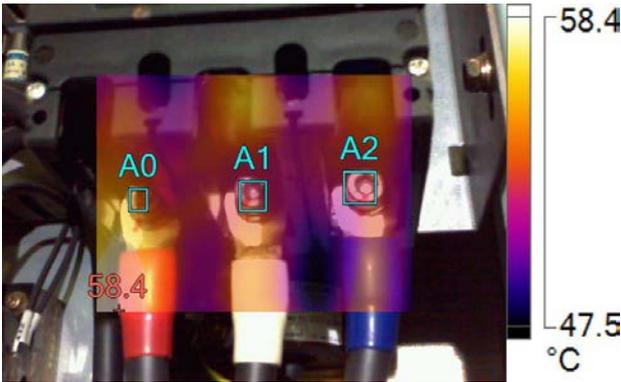
12/3/2016 8:54:55 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	40.9°C	40.4°C	41.5°C	0.95
A1	40.7°C	40.3°C	41.1°C	0.95
A2	40.7°C	40.2°C	41.2°C	0.95

Name	Temperature	Emissivity
Hot	57.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005358.IS2-Fire & Bilge Pump



Visible Light Image

12/3/2016 8:55:49 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	53.4°C	52.5°C	54.4°C	0.95
A1	52.0°C	51.6°C	52.6°C	0.95
A2	51.9°C	51.1°C	52.3°C	0.95

Name	Temperature	Emissivity
Hot	58.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005359.IS2-Fire & Bilge Pump



Visible Light Image

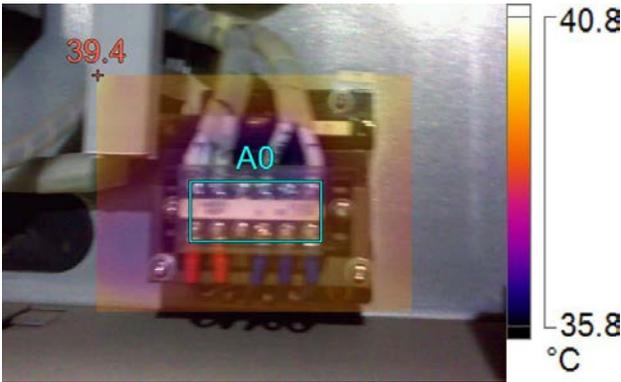
12/3/2016 8:55:58 PM

Main Image Markers

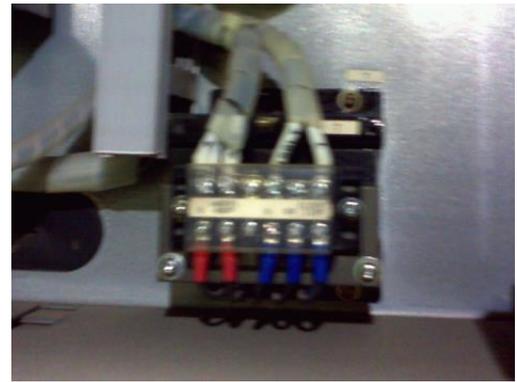
Name	Avg	Min	Max	Emissivity
A0	52.1°C	51.2°C	53.4°C	0.95
A1	51.1°C	50.6°C	51.5°C	0.95
A2	49.7°C	48.5°C	50.5°C	0.95

Name	Temperature	Emissivity
Hot	55.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005360.IS2-Fire & Bilge Pump



Visible Light Image

12/3/2016 8:56:05 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	37.1°C	36.1°C	38.2°C	0.95

Name	Temperature	Emissivity
Hot	39.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005361.IS2-Fire & Bilge Pump



Visible Light Image

12/3/2016 8:56:23 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	45.8°C	44.6°C	47.1°C	0.95
A1	48.9°C	48.7°C	49.2°C	0.95
A2	49.9°C	49.2°C	50.5°C	0.95

Name	Temperature	Emissivity
Hot	54.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005362.IS2-Fire & Bilge Pump



Visible Light Image

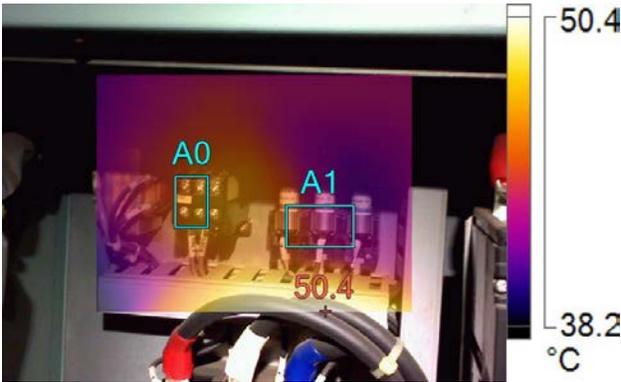
12/3/2016 8:56:36 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	44.3°C	43.6°C	44.9°C	0.95
A1	48.6°C	48.2°C	48.9°C	0.95
A2	46.3°C	45.3°C	47.1°C	0.95
A3	45.6°C	42.5°C	47.6°C	0.95

Name	Temperature	Emissivity
Hot	50.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005363.IS2-Fire & Bilge Pump



Visible Light Image

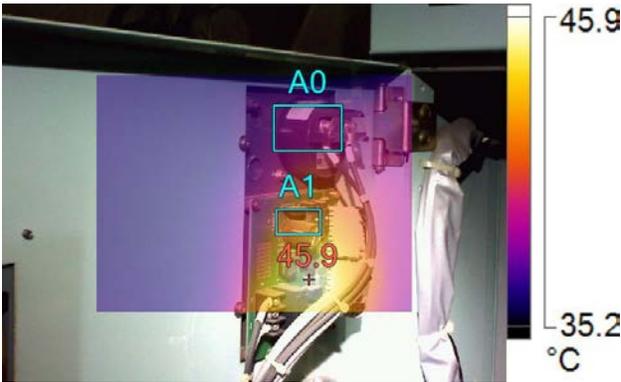
12/3/2016 8:56:43 PM

Main Image Markers

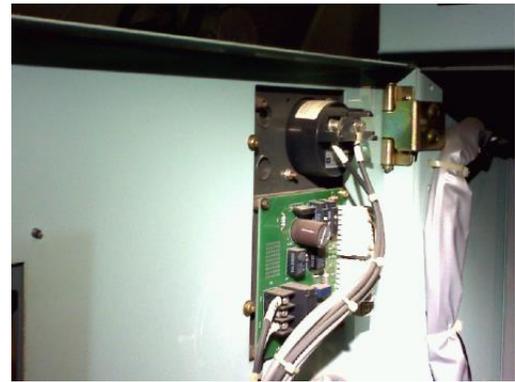
Name	Avg	Min	Max	Emissivity
A0	44.8°C	43.6°C	45.5°C	0.95
A1	42.3°C	40.4°C	43.9°C	0.95

Name	Temperature	Emissivity
Hot	50.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005364.IS2-Fire & Bilge Pump



Visible Light Image

12/3/2016 8:56:54 PM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	38.5°C	37.5°C	39.5°C	0.95
A1	41.8°C	40.0°C	43.2°C	0.95

Name	Temperature	Emissivity
Hot	45.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005734.IS2- No1 Deck Hyd pump
12/5/2016 9:27:40 AM



Visible Light Image

Main Image Markers

Name	Temperature	Emissivity
Hot	29.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005735.IS2- No1 Deck Hyd pump

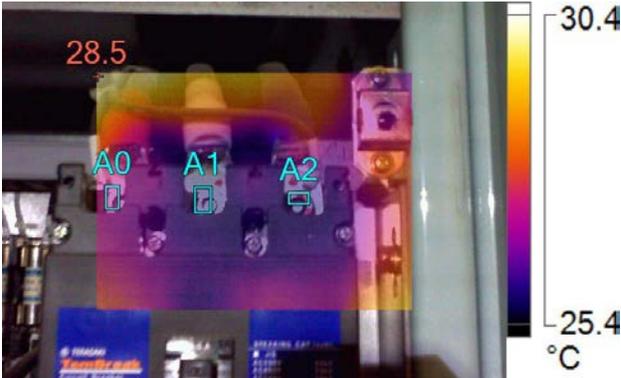


Visible Light Image

12/5/2016 9:27:50 AM

All the checks Deck Hydraulic pumps were carried out when run with no load

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005736.IS2- No1 Deck Hyd pump



Visible Light Image

12/5/2016 9:29:52 AM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	26.3°C	26.2°C	26.6°C	0.95
A1	25.7°C	25.5°C	25.9°C	0.95
A2	25.7°C	25.5°C	25.8°C	0.95

Name	Temperature	Emissivity
Hot	28.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005737.IS2- No1 Deck Hyd pump



Visible Light Image

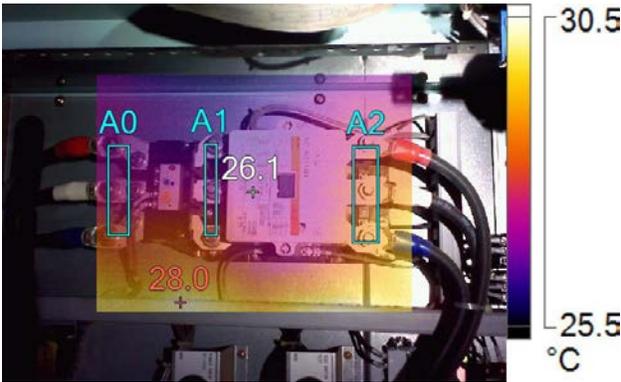
12/5/2016 9:29:59 AM

Main Image Markers

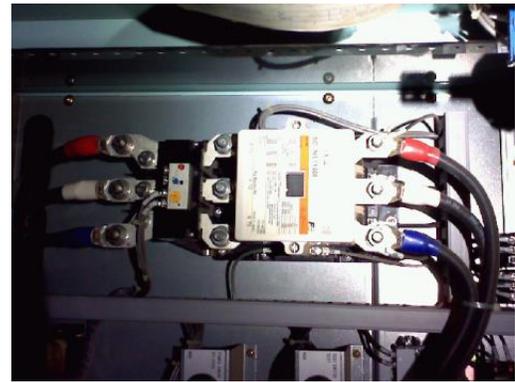
Name	Avg	Min	Max	Emissivity
A0	27.4°C	27.0°C	27.6°C	0.95
A1	27.1°C	26.7°C	27.4°C	0.95
A2	27.2°C	27.0°C	27.4°C	0.95

Name	Temperature	Emissivity
Hot	33.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005738.IS2- No1 Deck Hyd pump



Visible Light Image

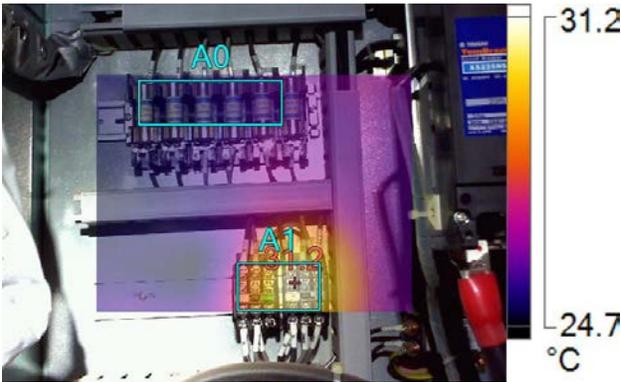
12/5/2016 9:30:19 AM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	26.4°C	25.9°C	26.9°C	0.95
A1	26.3°C	25.7°C	26.9°C	0.95
A2	26.9°C	26.4°C	27.4°C	0.95

Name	Temperature	Emissivity
Centerpoint	26.1°C	0.95
Hot	28.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005739.IS2- No1 Deck Hyd pump



Visible Light Image

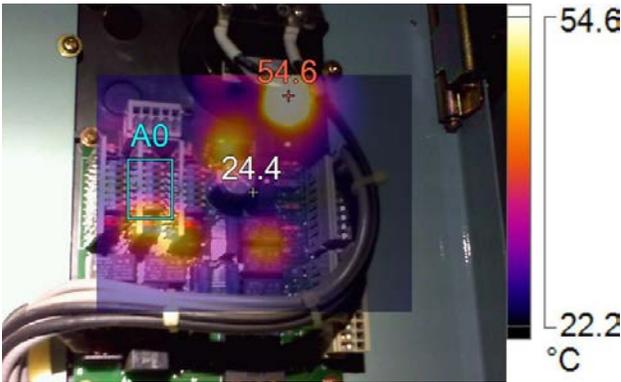
12/5/2016 9:31:57 AM

Main Image Markers

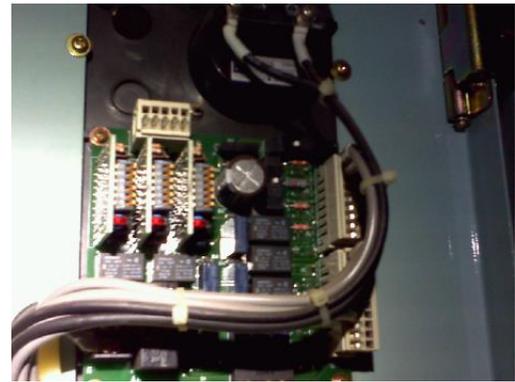
Name	Avg	Min	Max	Emissivity
A0	25.5°C	24.9°C	26.2°C	0.95
A1	29.9°C	27.1°C	31.2°C	0.95

Name	Temperature	Emissivity
Hot	31.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005740.IS2- No1 Deck Hyd pump



Visible Light Image

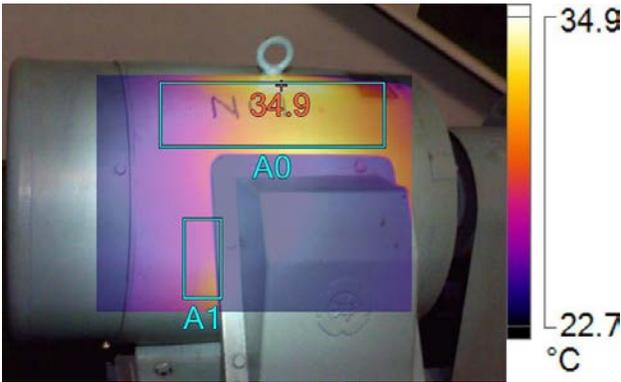
12/5/2016 9:32:27 AM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	27.0°C	23.4°C	35.1°C	0.95

Name	Temperature	Emissivity
Centerpoint	24.4°C	0.95
Hot	54.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005741.IS2- No1 Deck Hyd pump



Visible Light Image

12/5/2016 9:34:13 AM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	30.1°C	25.2°C	34.9°C	0.95
A1	26.9°C	23.5°C	30.1°C	0.95

Name	Temperature	Emissivity
Hot	34.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005742.IS2- No1 Deck Hyd pump



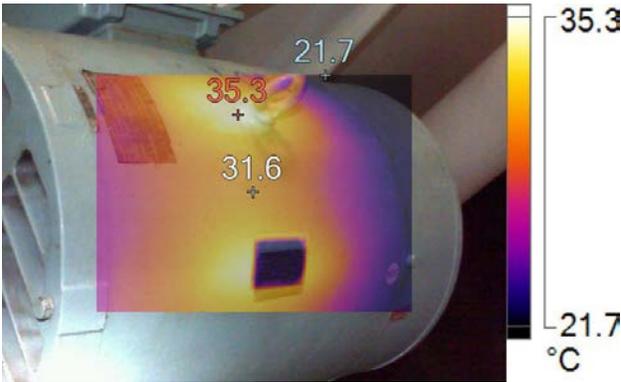
Visible Light Image

12/5/2016 9:34:42 AM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	31.6°C	0.95
Hot	34.6°C	0.95
Cold	22.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005743.IS2- No1 Deck Hyd pump



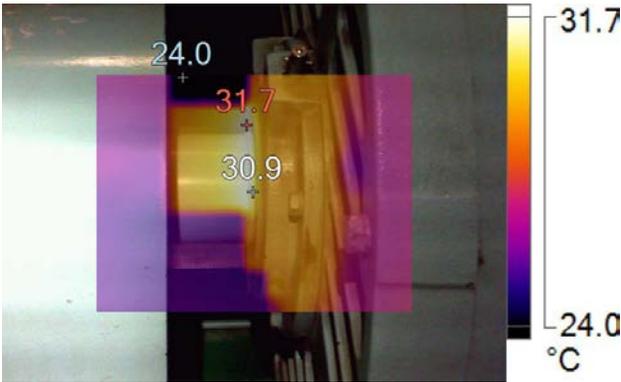
Visible Light Image

12/5/2016 9:34:47 AM

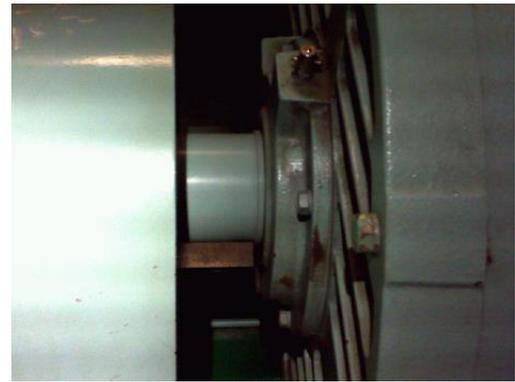
Main Image Markers

Name	Temperature	Emissivity
Centerpoint	31.6°C	0.95
Hot	35.3°C	0.95
Cold	21.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005744.IS2- No1 Deck Hyd pump



Visible Light Image

12/5/2016 9:34:55 AM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	30.9°C	0.95
Hot	31.7°C	0.95
Cold	24.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005745.IS2- No1 Deck Hyd pump



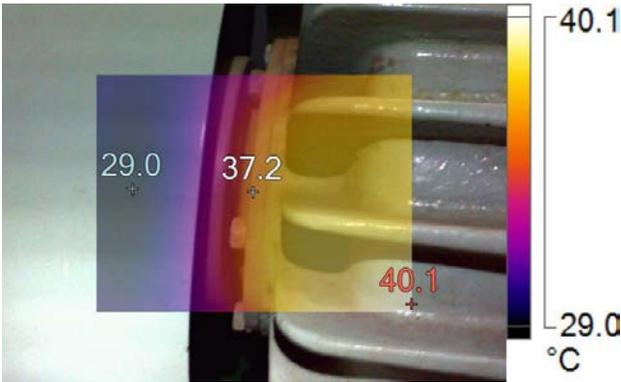
Visible Light Image

12/5/2016 9:35:15 AM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	31.5°C	0.95
Hot	41.3°C	0.95
Cold	29.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005746.IS2- No1 Deck Hyd pump



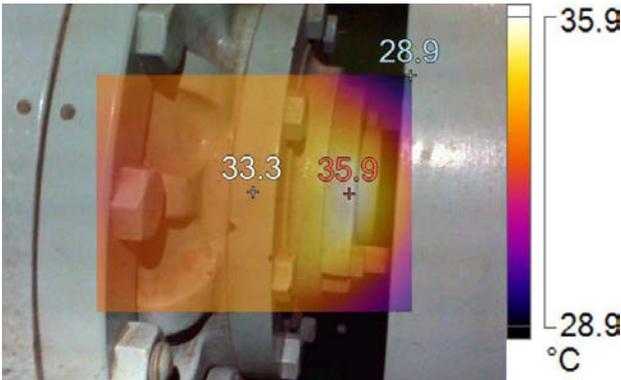
Visible Light Image

12/5/2016 9:35:21 AM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	37.2°C	0.95
Hot	40.1°C	0.95
Cold	29.0°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005747.IS2- No1 Deck Hyd pump



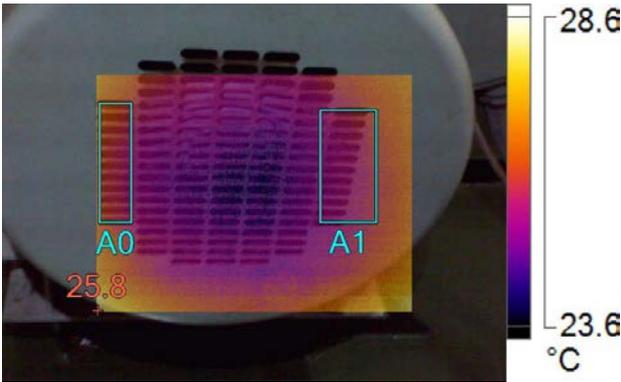
Visible Light Image

12/5/2016 9:35:27 AM

Main Image Markers

Name	Temperature	Emissivity
Centerpoint	33.3°C	0.95
Hot	35.9°C	0.95
Cold	28.9°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005748.IS2- No1 Deck Hyd pump



Visible Light Image

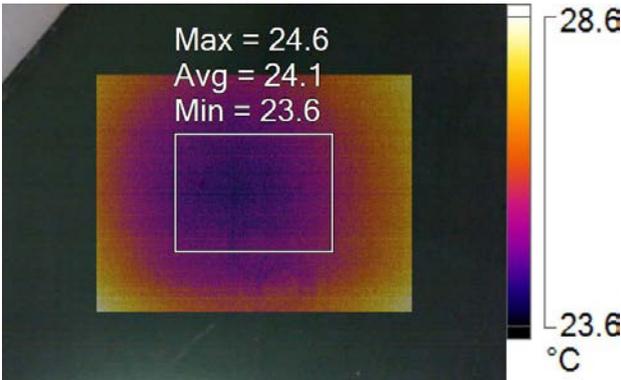
12/5/2016 9:35:39 AM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	24.5°C	24.1°C	25.1°C	0.95
A1	24.3°C	23.9°C	24.8°C	0.95

Name	Temperature	Emissivity
Hot	25.8°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005749.IS2-Room Temperature
12/5/2016 9:35:44 AM

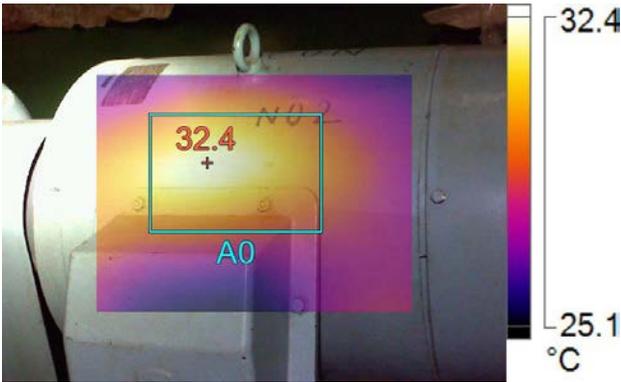


Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
Centerbox	24.1°C	23.6°C	24.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005750.IS2- No2 Deck Hyd pump



Visible Light Image

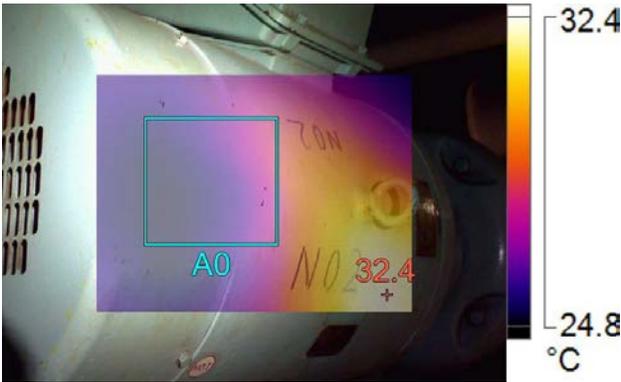
12/5/2016 9:36:11 AM

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	30.6°C	28.2°C	32.4°C	0.95

Name	Temperature	Emissivity
Hot	32.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005751.IS2- No2 Deck Hyd pump
12/5/2016 9:36:26 AM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	26.0°C	24.8°C	28.3°C	0.95

Name	Temperature	Emissivity
Hot	32.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005752.IS2- No2 Deck Hyd pump
12/5/2016 9:36:31 AM

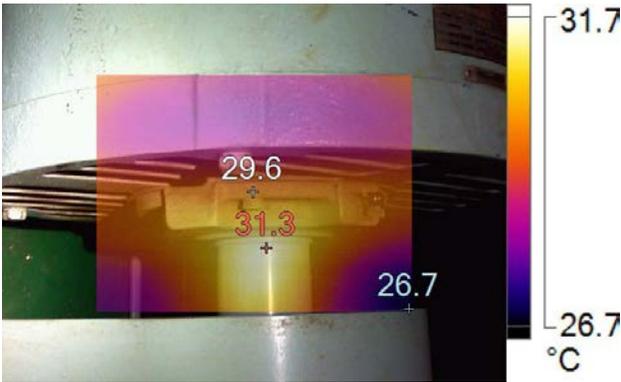


Visible Light Image

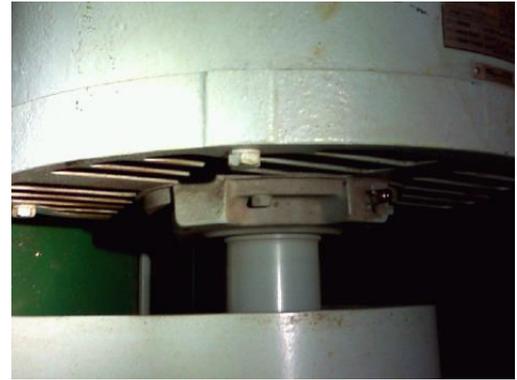
Main Image Markers

Name	Temperature	Emissivity
Centerpoint	31.1°C	0.95
Hot	32.9°C	0.95
Cold	27.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005753.IS2- No2 Deck Hyd pump
12/5/2016 9:36:40 AM

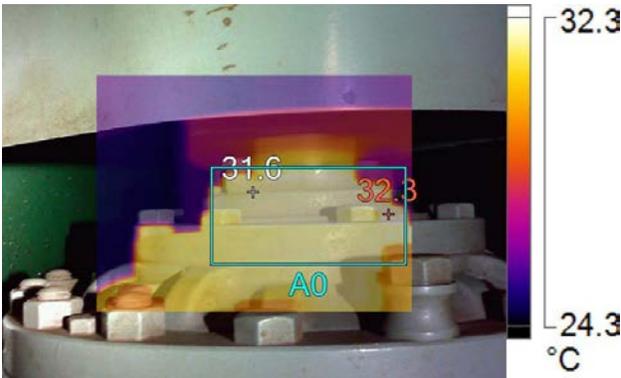


Visible Light Image

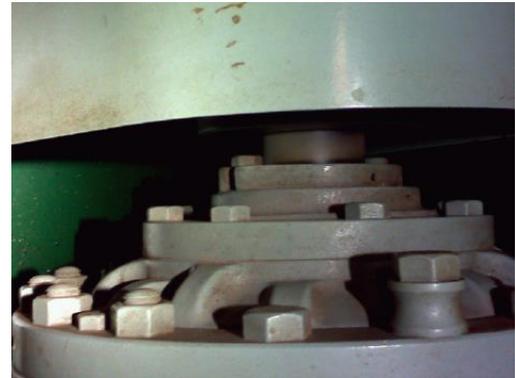
Main Image Markers

Name	Temperature	Emissivity
Centerpoint	29.6°C	0.95
Hot	31.3°C	0.95
Cold	26.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005755.IS2- No2 Deck Hyd pump
12/5/2016 9:37:32 AM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	31.2°C	24.3°C	32.3°C	0.95

Name	Temperature	Emissivity
Centerpoint	31.6°C	0.95
Hot	32.3°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005756.IS2- No2 Deck Hyd pump
12/5/2016 9:37:44 AM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	33.5°C	29.7°C	34.5°C	0.95

Name	Temperature	Emissivity
Hot	34.5°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section

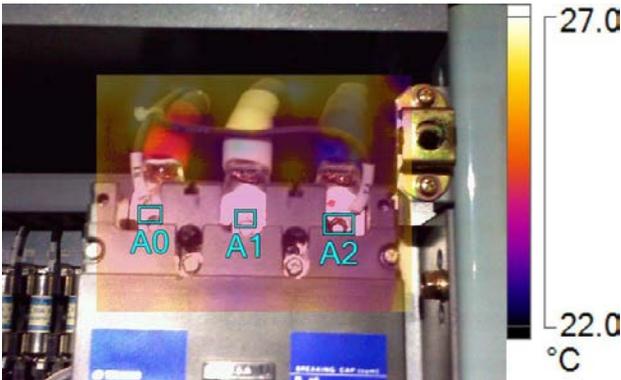


IR005757.IS2- No2 Deck Hyd pump
12/5/2016 9:38:20 AM



Visible Light Image

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005758.IS2- No2 Deck Hyd pump
12/5/2016 9:38:32 AM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A2	23.3°C	23.1°C	23.6°C	0.95
A1	23.3°C	23.1°C	23.5°C	0.95
A0	23.5°C	23.3°C	23.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005759.IS2- No2 Deck Hyd pump
12/5/2016 9:38:46 AM



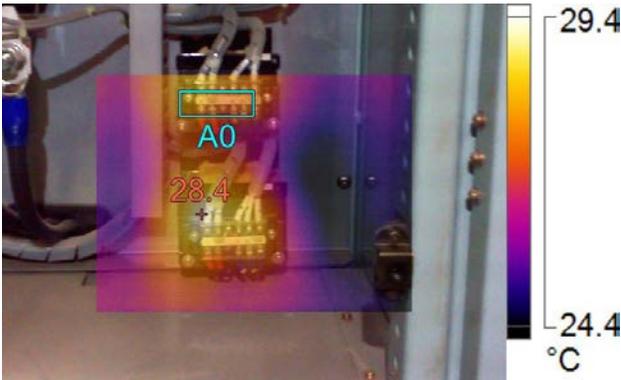
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	26.4°C	26.2°C	26.6°C	0.95
A1	25.9°C	25.6°C	26.3°C	0.95
A2	26.1°C	25.9°C	26.3°C	0.95

Name	Temperature	Emissivity
Centerpoint	25.9°C	0.95
Hot	27.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005760.IS2- No2 Deck Hyd pump
12/5/2016 9:38:55 AM



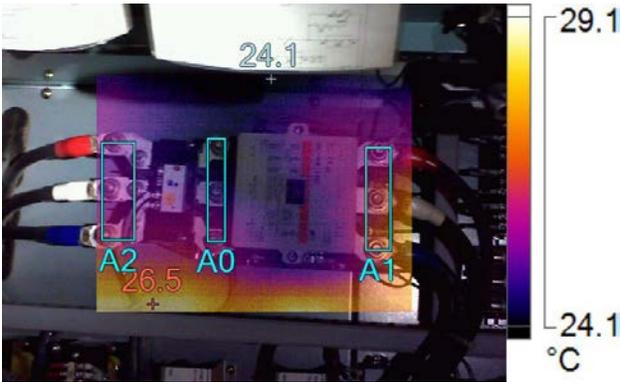
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	27.2°C	26.6°C	27.9°C	0.95

Name	Temperature	Emissivity
Hot	28.4°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005761.IS2- No2 Deck Hyd pump
12/5/2016 9:39:02 AM



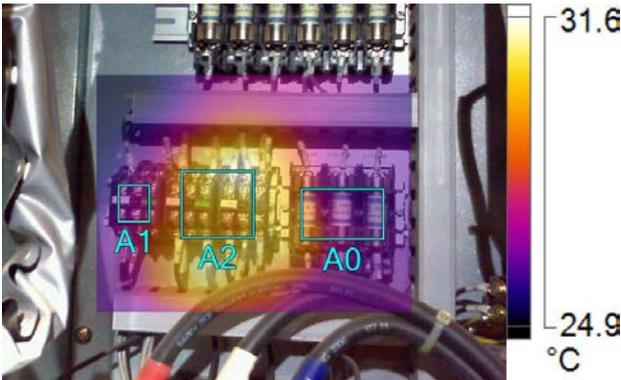
Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	24.8°C	24.4°C	25.3°C	0.95
A1	25.4°C	24.9°C	25.9°C	0.95
A2	25.1°C	24.7°C	25.5°C	0.95

Name	Temperature	Emissivity
Hot	26.5°C	0.95
Cold	24.1°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005762.IS2- No2 Deck Hyd pump
12/5/2016 9:39:09 AM

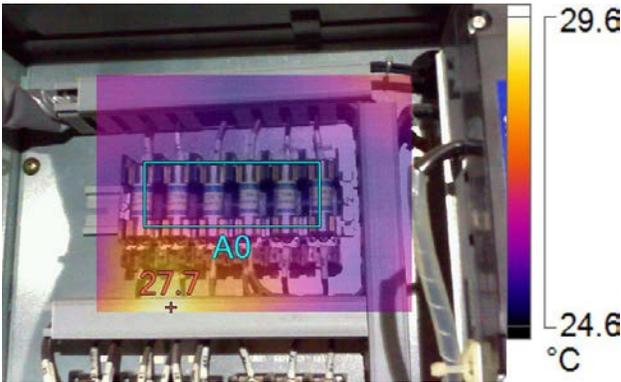


Visible Light Image

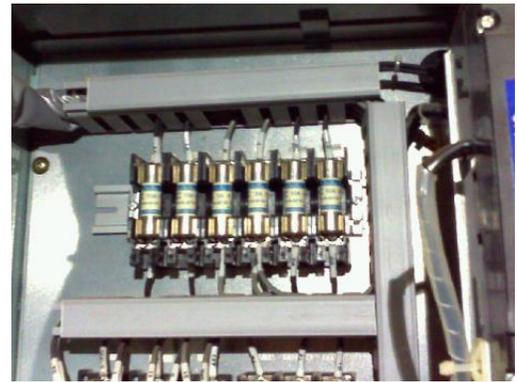
Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	27.0°C	25.7°C	29.7°C	0.95
A1	27.0°C	26.0°C	28.0°C	0.95
A2	30.2°C	29.0°C	31.6°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005763.IS2- No2 Deck Hyd pump
12/5/2016 9:39:15 AM



Visible Light Image

Main Image Markers

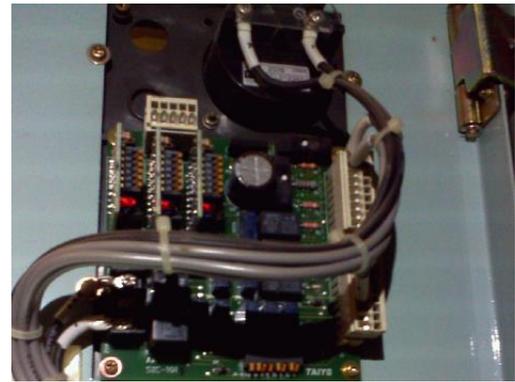
Name	Avg	Min	Max	Emissivity
A0	25.1°C	24.6°C	26.1°C	0.95

Name	Temperature	Emissivity
Hot	27.7°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section



IR005764.IS2- No2 Deck Hyd pump
12/5/2016 9:39:45 AM



Visible Light Image

Main Image Markers

Name	Avg	Min	Max	Emissivity
A0	22.9°C	21.4°C	26.7°C	0.95

Name	Temperature	Emissivity
Hot	37.2°C	0.95

We did not find any abnormality with respect to Thermal Imaging under this section. All the Mooring Hydraulic pumps were run under no load. Predictive findings are restricted under this section