

M.T.-----

Thermal Imaging

Cargo system, IG system & Boilers



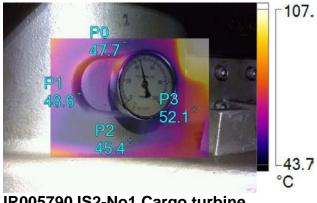
Prepared for



IR005789.IS2-No1 Cargo turbine 12/5/2016 11:22:39 AM



Visible Light Image



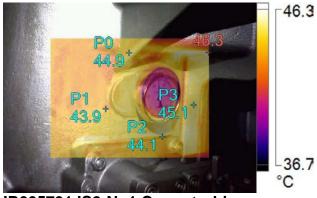
IR005790.IS2-No1 Cargo turbine

12/5/2016 11:23:06 AM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| P0 | 47.7°C | 0.95 |
| P1 | 48.6°C | 0.95 |
| P2 | 45.4°C | 0.95 |
| P3 | 52.1°C | 0.95 |



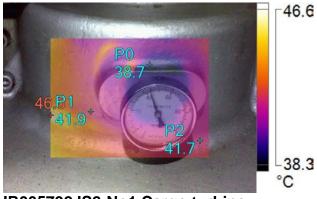
IR005791.IS2-No1 Cargo turbine

12/5/2016 11:23:58 AM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 46.3°C | 0.95 |
| P0 | 44.9°C | 0.95 |
| P1 | 43.9°C | 0.95 |
| P2 | 44.1°C | 0.95 |
| P3 | 45.1°C | 0.95 |



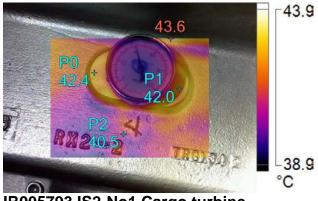
IR005792.IS2-No1 Cargo turbine

12/5/2016 11:24:34 AM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 46.6°C | 0.95 |
| P0 | 38.7°C | 0.95 |
| P1 | 41.9°C | 0.95 |
| P2 | 41.7°C | 0.95 |



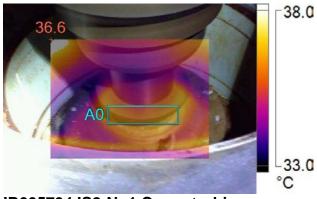
IR005793.IS2-No1 Cargo turbine

12/5/2016 11:25:04 AM



Visible Light Image

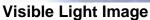
| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 43.6°C | 0.95 |
| P0 | 42.4°C | 0.95 |
| P1 | 42.0°C | 0.95 |
| P2 | 40.5°C | 0.95 |



IR005794.IS2-No1 Cargo turbine

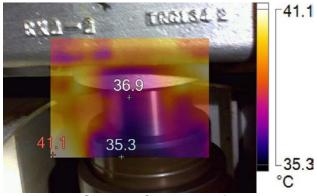
12/5/2016 11:26:52 AM





| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 35.3°C | 34.4°C | 35.8°C | 0.95 |

| Name | Temperature | Emissivity | |
|------|-------------|------------|--|
| Hot | 36.6°C | 0.95 | |



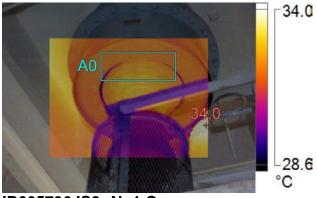
IR005795.IS2-No1 Cargo turbine

12/5/2016 11:27:09 AM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 36.9°C | 0.95 |
| Hot | 41.1°C | 0.95 |
| Cold | 35.3°C | 0.95 |



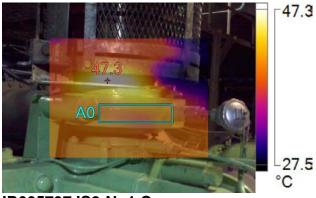
IR005796.IS2--No1 Cargo pump 12/5/2016 12:22:33 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 32.1°C | 29.4°C | 32.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 34.0°C | 0.95 |



IR005797.IS2-No1 Cargo pump

12/5/2016 12:23:07 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 41.3°C | 39.9°C | 43.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 47.3°C | 0.95 |



IR005798.IS2-No1 Cargo pump 12/5/2016 12:23:43 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 39.6°C | 36.2°C | 41.0°C | 0.95 |

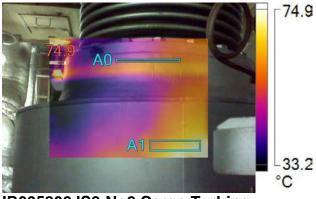
| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 36.9°C | 0.95 |
| Hot | 42.8°C | 0.95 |



IR005799.IS2-No2 Cargo Turbine 12/5/2016 1:26:39 PM



Visible Light Image



IR005800.IS2-No2 Cargo Turbine

12/5/2016 1:27:38 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 41.8°C | 39.5°C | 43.3°C | 0.95 |
| A1 | 45.2°C | 42.4°C | 47.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 74.9°C | 0.95 |



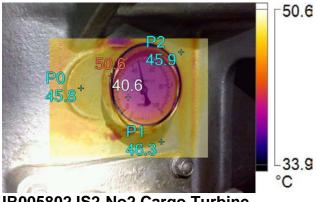
IR005801.IS2-No2 Cargo Turbine

12/5/2016 1:28:16 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 45.3°C | 0.95 |
| Hot | 58.4°C | 0.95 |
| Cold | 43.8°C | 0.95 |
| P0 | 51.2°C | 0.95 |
| P1 | 50.2°C | 0.95 |



IR005802.IS2-No2 Cargo Turbine

12/5/2016 1:28:33 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 40.6°C | 0.95 |
| Hot | 50.6°C | 0.95 |
| P0 | 45.8°C | 0.95 |
| P1 | 46.3°C | 0.95 |
| P2 | 45.9°C | 0.95 |



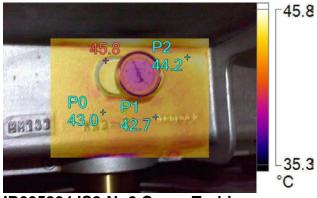
IR005803.IS2-No2 Cargo Turbine

12/5/2016 1:28:53 PM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 53.5°C | 0.95 |
| P0 | 46.2°C | 0.95 |
| P1 | 43.3°C | 0.95 |
| P2 | 42.4°C | 0.95 |
| P3 | 43.0°C | 0.95 |
| P4 | 41.2°C | 0.95 |



IR005804.IS2-No2 Cargo Turbine

12/5/2016 1:29:31 PM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.8°C | 0.95 |
| P0 | 43.0°C | 0.95 |
| P1 | 42.7°C | 0.95 |
| P2 | 44.2°C | 0.95 |



IR005805.IS2-No2 Cargo Turbine

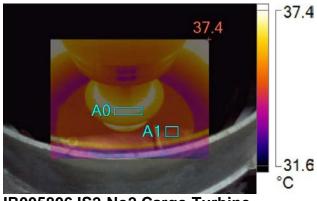
12/5/2016 1:29:37 PM



Visible Light Image

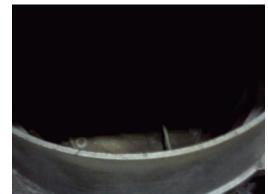
| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 41.5°C | 39.8°C | 43.5°C | 0.95 |

| Name | ne Temperature Emissivity | |
|------|---------------------------|------|
| Hot | 44.6°C | 0.95 |
| Cold | 34.8°C | 0.95 |



IR005806.IS2-No2 Cargo Turbine

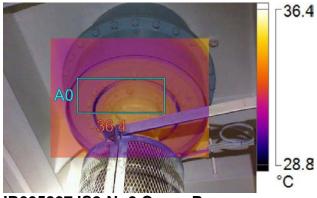
12/5/2016 1:29:58 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 36.0°C | 35.5°C | 36.2°C | 0.95 |
| A1 | 34.2°C | 34.0°C | 34.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 37.4°C | 0.95 |



IR005807.IS2-No2 Cargo Pump 12/5/2016 2:04:10 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 32.7°C | 28.8°C | 33.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 36.4°C | 0.95 |



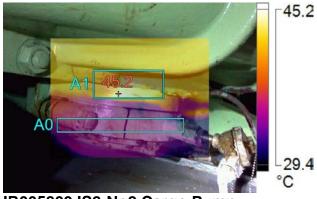
IR005808.IS2-No2 Cargo Pump 12/5/2016 2:04:22 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.1°C | 34.3°C | 49.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 49.0°C | 0.95 |



IR005809.IS2-No2 Cargo Pump 12/5/2016 2:04:51 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 38.0°C | 34.0°C | 39.4°C | 0.95 |
| A1 | 43.2°C | 38.9°C | 45.2°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.2°C | 0.95 |



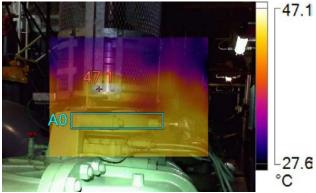
IR005810.IS2-No2 Cargo Pump 12/5/2016 2:35:00 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 31.9°C | 31.4°C | 33.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 34.6°C | 0.95 |



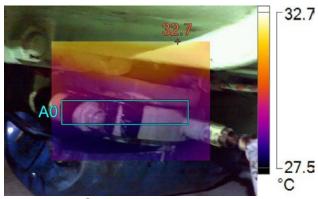
IR005811.IS2-No2 Cargo Pump 12/5/2016 2:35:18 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.7°C | 40.2°C | 43.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 47.1°C | 0.95 |



IR005812.IS2 12/5/2016 2:35:41 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 28.8°C | 28.1°C | 29.8°C | 0.95 |

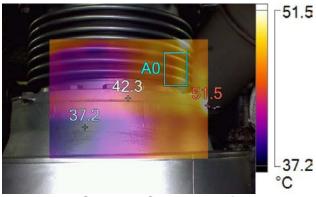
| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 32.7°C | 0.95 |



IR005813.IS2-No 3 Cargo Turbine 12/5/2016 2:43:18 PM



Visible Light Image



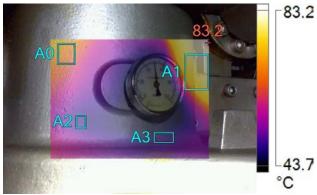
IR005814.IS2-No 3 Cargo Turbine 12/5/2016 2:43:43 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 44.2°C | 43.0°C | 46.4°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 42.3°C | 0.95 |
| Hot | 51.5°C | 0.95 |
| Cold | 37.2°C | 0.95 |



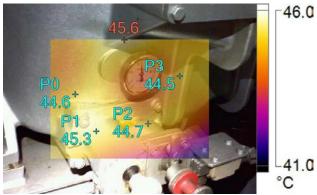
IR005815.IS2-No 3 Cargo Turbine 12/5/2016 2:45:07 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 54.5°C | 52.4°C | 57.0°C | 0.95 |
| A1 | 66.7°C | 51.9°C | 81.9°C | 0.95 |
| A2 | 48.1°C | 47.5°C | 48.9°C | 0.95 |
| A3 | 47.8°C | 46.8°C | 48.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 83.2°C | 0.95 |

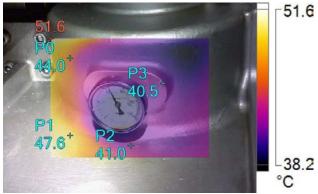


IR005816.IS2-No 3 Cargo Turbine 12/5/2016 2:45:20 PM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.6°C | 0.95 |
| P0 | 44.6°C | 0.95 |
| P1 | 45.3°C | 0.95 |
| P2 | 44.7°C | 0.95 |
| P3 | 44.5°C | 0.95 |

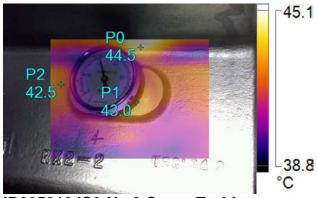


IR005817.IS2-No 3 Cargo Turbine 12/5/2016 2:45:56 PM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 51.6°C | 0.95 |
| P0 | 44.0°C | 0.95 |
| P1 | 47.6°C | 0.95 |
| P2 | 41.0°C | 0.95 |
| P3 | 40.5°C | 0.95 |

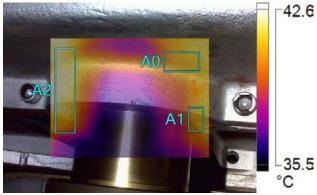


IR005818.IS2-No 3 Cargo Turbine 12/5/2016 2:46:24 PM



Visible Light Image

| Name | Temperature | Emissivity |
|------|-------------|------------|
| P0 | 44.5°C | 0.95 |
| P1 | 43.0°C | 0.95 |
| P2 | 42.5°C | 0.95 |

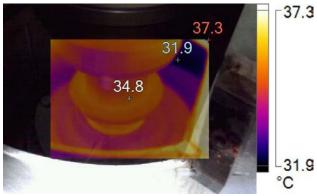


IR005819.IS2-No 3 Cargo Turbine 12/5/2016 2:46:46 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 40.7°C | 39.7°C | 41.6°C | 0.95 |
| A1 | 40.5°C | 39.4°C | 41.2°C | 0.95 |
| A2 | 41.5°C | 38.4°C | 42.5°C | 0.95 |



IR005820.IS2-No 3 Cargo Turbine 12/5/2016 2:47:14 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 34.8°C | 0.95 |
| Hot | 37.3°C | 0.95 |
| Cold | 31.9°C | 0.95 |

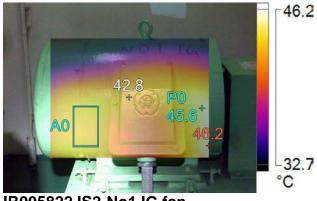


IR005821.IS2-No1 IG fai 12/5/2016 3:39:01 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 48.4°C | 47.7°C | 48.9°C | 0.95 |



IR005822.IS2-No1 IG fan

12/5/2016 3:39:09 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 43.6°C | 42.9°C | 44.0°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 42.8°C | 0.95 |
| Hot | 46.2°C | 0.95 |
| P0 | 45.6°C | 0.95 |



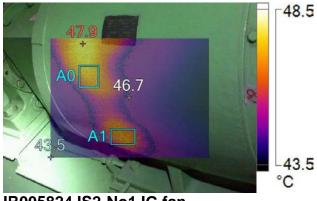
IR005823.IS2-No1 IG fan

12/5/2016 3:39:28 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 46.5°C | 0.95 |
| Hot | 48.3°C | 0.95 |
| Cold | 33.8°C | 0.95 |





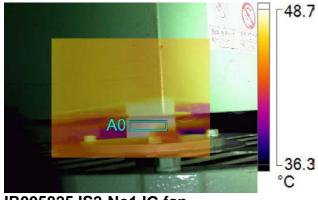
IR005824.IS2-No1 IG fan

12/5/2016 3:39:46 PM

Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 47.5°C | 47.0°C | 47.8°C | 0.95 |
| A1 | 47.4°C | 47.0°C | 47.6°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 46.7°C | 0.95 |
| Hot | 47.9°C | 0.95 |
| Cold | 43.5°C | 0.95 |



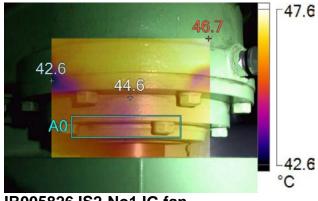
IR005825.IS2-No1 IG fan

12/5/2016 3:40:11 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 47.5°C | 43.7°C | 48.5°C | 0.95 |



IR005826.IS2-No1 IG fan

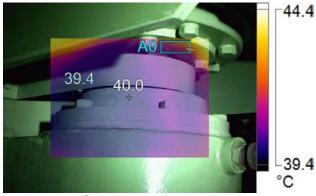
12/5/2016 3:40:30 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 44.9°C | 44.2°C | 45.7°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 44.6°C | 0.95 |
| Hot | 46.7°C | 0.95 |
| Cold | 42.6°C | 0.95 |



IR005827.IS2-No1 IG fan

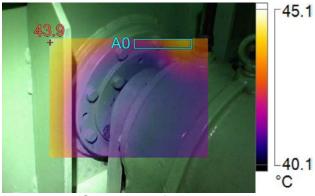
12/5/2016 3:41:04 PM

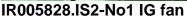


Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 40.9°C | 40.2°C | 42.1°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 40.0°C | 0.95 |
| Cold | 39.4°C | 0.95 |





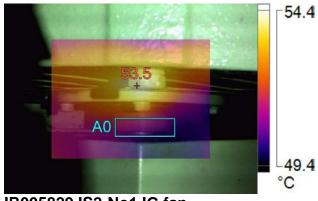
12/5/2016 3:41:22 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity | |
|------|--------|--------|--------|------------|--|
| A0 | 42.2°C | 41.0°C | 43.3°C | 0.95 | |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 43.9°C | 0.95 |





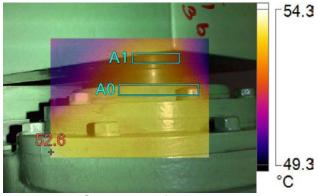
IR005829.IS2-No1 IG fan

12/5/2016 4:06:46 PM

Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 50.5°C | 49.7°C | 51.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 53.5°C | 0.95 |



IR005830.IS2-No1 IG fan

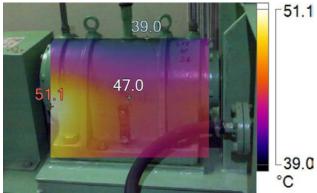
12/5/2016 4:06:53 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 51.9°C | 51.1°C | 52.3°C | 0.95 |
| A1 | 51.6°C | 50.9°C | 52.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 52.6°C | 0.95 |



IR005831.IS2-No1 IG fan

12/5/2016 4:07:07 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 47.0°C | 0.95 |
| Hot | 51.1°C | 0.95 |
| Cold | 39.0°C | 0.95 |



IR005832.IS2-No1 IG fan

12/5/2016 4:20:51 PM



Visible Light Image



IR005833.IS2-No1 IG fan

12/5/2016 4:21:01 PM

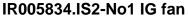


Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.7°C | 42.0°C | 43.5°C | 0.95 |
| A1 | 42.9°C | 42.3°C | 43.5°C | 0.95 |
| A2 | 42.3°C | 41.4°C | 43.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.5°C | 0.95 |





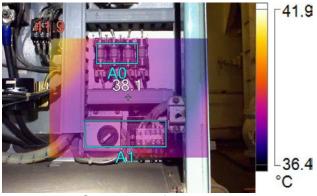
12/5/2016 4:21:18 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 43.3°C | 42.8°C | 43.8°C | 0.95 |
| A1 | 43.3°C | 42.9°C | 43.7°C | 0.95 |
| A2 | 42.0°C | 41.6°C | 42.4°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 46.2°C | 0.95 |



IR005835.IS2-No1 IG fan

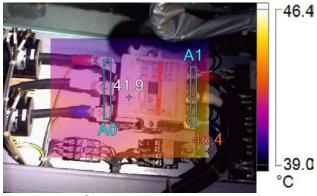
12/5/2016 4:21:28 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 38.1°C | 37.8°C | 38.5°C | 0.95 |
| A1 | 38.1°C | 37.4°C | 38.6°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 38.1°C | 0.95 |
| Hot | 41.9°C | 0.95 |



IR005836.IS2-No1 IG fan

12/5/2016 4:21:36 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 41.5°C | 40.5°C | 42.2°C | 0.95 |
| A1 | 43.2°C | 41.4°C | 44.5°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 41.9°C | 0.95 |
| Hot | 46.4°C | 0.95 |



IR005837.IS2-No1 IG fan

12/5/2016 4:21:44 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 41.5°C | 41.2°C | 41.9°C | 0.95 |
| A1 | 42.8°C | 42.6°C | 43.0°C | 0.95 |
| A2 | 42.7°C | 42.5°C | 43.0°C | 0.95 |



IR005838.IS2-No1 IG fan

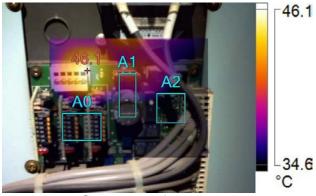
12/5/2016 4:21:51 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 44.2°C | 42.5°C | 45.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 47.4°C | 0.95 |



IR005839.IS2-No1 IG fan

12/5/2016 4:23:00 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 35.6°C | 35.1°C | 36.0°C | 0.95 |
| A1 | 37.8°C | 35.1°C | 41.1°C | 0.95 |
| A2 | 35.6°C | 35.0°C | 37.8°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 46.1°C | 0.95 |

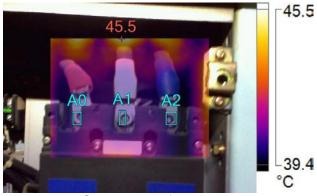


IR005840.IS2-No 2 IG fan

12/5/2016 4:23:30 PM



Visible Light Image



IR005841.IS2-No 2 IG fan

12/5/2016 4:23:57 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 40.3°C | 40.0°C | 40.6°C | 0.95 |
| A1 | 39.9°C | 39.5°C | 40.3°C | 0.95 |
| A2 | 39.8°C | 39.5°C | 40.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.5°C | 0.95 |



IR005842.IS2-No 2 IG fan

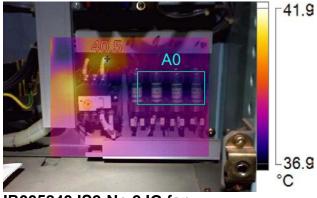


Visible Light Image

12/5/2016 4:24:30 PM

| Name | Avg | Min | Max | Emissivity | | |
|------|--------|--------|--------|------------|--|--|
| A0 | 47.7°C | 46.3°C | 48.4°C | 0.95 | | |
| A1 | 46.3°C | 45.5°C | 46.6°C | 0.95 | | |
| A2 | 45.3°C | 45.1°C | 45.5°C | 0.95 | | |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 52.9°C | 0.95 |



IR005843.IS2-No 2 IG fan

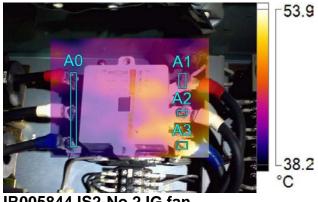


Visible Light Image

12/5/2016 4:24:42 PM

| Name | Avg | Min | Max | Emissivity | | |
|------|--------|--------|--------|------------|--|--|
| A0 | 37.4°C | 37.0°C | 38.0°C | 0.95 | | |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 40.5°C | 0.95 |



IR005844.IS2-No 2 IG fan



Visible Light Image

12/5/2016 4:24:52 PM

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 41.7°C | 40.0°C | 44.7°C | 0.95 |
| A1 | 45.9°C | 45.0°C | 47.4°C | 0.95 |
| A2 | 47.3°C | 46.5°C | 48.4°C | 0.95 |
| A3 | 50.7°C | 49.4°C | 52.3°C | 0.95 |



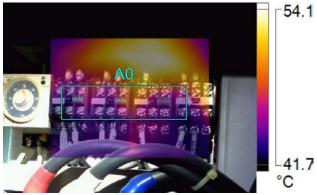
IR005845.IS2-No 2 IG fan



Visible Light Image

12/5/2016 4:25:08 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 40.7°C | 38.6°C | 42.6°C | 0.95 |
| A1 | 42.7°C | 41.0°C | 45.1°C | 0.95 |
| A2 | 44.0°C | 42.1°C | 45.2°C | 0.95 |



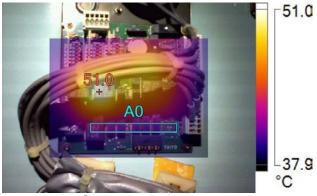
IR005846.IS2-No 2 IG fan



Visible Light Image

12/5/2016 4:25:31 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 47.3°C | 41.7°C | 51.8°C | 0.95 |



IR005847.IS2-No 2 IG fan

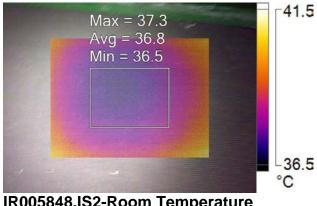


Visible Light Image

12/5/2016 4:25:53 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 41.7°C | 39.6°C | 44.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 51.0°C | 0.95 |



IR005848.IS2-Room Temperature 12/5/2016 4:26:15 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|-----------|--------|--------|--------|------------|
| Centerbox | 36.8°C | 36.5°C | 37.3°C | 0.95 |



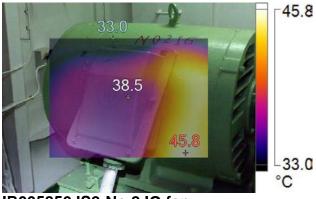
IR005849.IS2-No 2 IG fan



Visible Light Image

12/5/2016 4:32:01 PM

| U | | | | |
|-------------|-------------|------------|--|--|
| Name | Temperature | Emissivity | | |
| Centerpoint | 47.3°C | 0.95 | | |
| Hot | 47.5°C | 0.95 | | |
| Cold | 34.8°C | 0.95 | | |



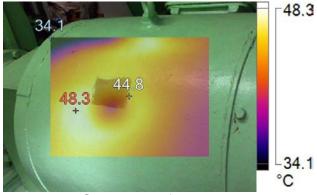
IR005850.IS2-No 2 IG fan



Visible Light Image

12/5/2016 4:32:18 PM

| U | | | | |
|-------------|-------------|------------|--|--|
| Name | Temperature | Emissivity | | |
| Centerpoint | 38.5°C | 0.95 | | |
| Hot | 45.8°C | 0.95 | | |
| Cold | 33.0°C | 0.95 | | |



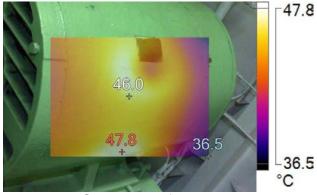
IR005851.IS2-No 2 IG fan



Visible Light Image

12/5/2016 4:32:36 PM

| U | | | | |
|-------------|-------------|------------|--|--|
| Name | Temperature | Emissivity | | |
| Centerpoint | 44.8°C | 0.95 | | |
| Hot | 48.3°C | 0.95 | | |
| Cold | 34.1°C | 0.95 | | |



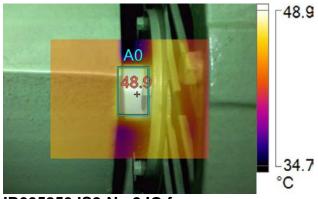
IR005852.IS2-No 2 IG fan



Visible Light Image

12/5/2016 4:32:56 PM

| Name | Temperature | Emissivity | | |
|-------------|-------------|------------|--|--|
| Centerpoint | 46.0°C | 0.95 | | |
| Hot | 47.8°C | 0.95 | | |
| Cold | 36.5°C | 0.95 | | |



IR005853.IS2-No 2 IG fan

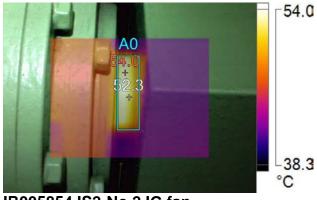


Visible Light Image

12/5/2016 4:33:06 PM

| Name | Ava | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| Name | Avy | | max | Emissivity |
| A0 | 47.9°C | 44.9°C | 48.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 48.9°C | 0.95 |



IR005854.IS2-No 2 IG fan

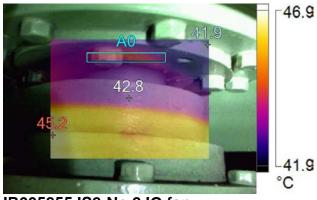


Visible Light Image

12/5/2016 4:33:13 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 52.0°C | 46.1°C | 54.0°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 52.3°C | 0.95 |
| Hot | 54.0°C | 0.95 |



IR005855.IS2-No 2 IG fan

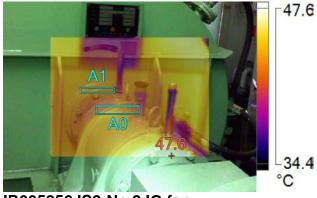


Visible Light Image

12/5/2016 4:33:29 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 43.1°C | 42.3°C | 43.7°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 42.8°C | 0.95 |
| Hot | 45.2°C | 0.95 |
| Cold | 41.9°C | 0.95 |



IR005856.IS2-No 2 IG fan

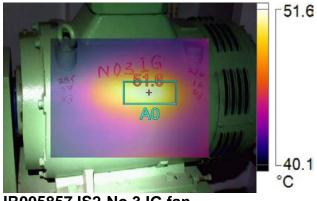


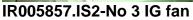
Visible Light Image

12/5/2016 4:33:54 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.5°C | 41.0°C | 43.9°C | 0.95 |
| A1 | 42.7°C | 42.0°C | 43.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 47.6°C | 0.95 |





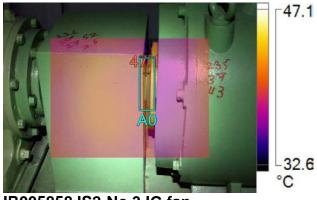


Visible Light Image

12/5/2016 5:30:46 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 50.0°C | 46.4°C | 51.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 51.6°C | 0.95 |



IR005858.IS2-No 3 IG fan

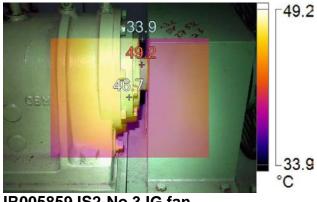


Visible Light Image

12/5/2016 5:30:52 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.8°C | 37.5°C | 47.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 47.1°C | 0.95 |



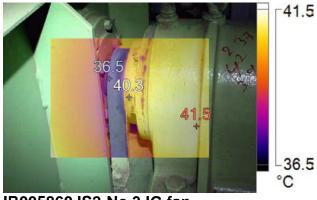
IR005859.IS2-No 3 IG fan



Visible Light Image

12/5/2016 5:30:59 PM

| U | | | |
|-------------|-------------|------------|--|
| Name | Temperature | Emissivity | |
| Centerpoint | 46.7°C | 0.95 | |
| Hot | 49.2°C | 0.95 | |
| Cold | 33.9°C | 0.95 | |



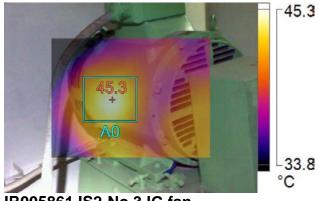
IR005860.IS2-No 3 IG fan



Visible Light Image

12/5/2016 5:31:08 PM

| V | | | |
|-------------|-------------|------------|--|
| Name | Temperature | Emissivity | |
| Centerpoint | 40.3°C | 0.95 | |
| Hot | 41.5°C | 0.95 | |
| Cold | 36.5°C | 0.95 | |



IR005861.IS2-No 3 IG fan

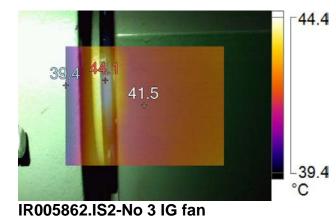


Visible Light Image

12/5/2016 5:31:53 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 43.6°C | 41.1°C | 45.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.3°C | 0.95 |

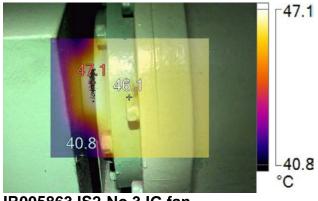




Visible Light Image

12/5/2016 5:32:13 PM

| U | | | | |
|-------------|-------------|------------|--|--|
| Name | Temperature | Emissivity | | |
| Centerpoint | 41.5°C | 0.95 | | |
| Hot | 44.1°C | 0.95 | | |
| Cold | 39.4°C | 0.95 | | |



IR005863.IS2-No 3 IG fan



Visible Light Image

12/5/2016 5:32:20 PM

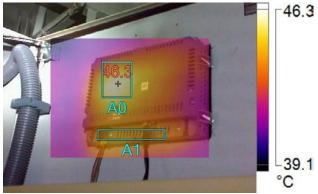
| Name | Temperature | Emissivity | |
|-------------|-------------|------------|--|
| Centerpoint | 46.1°C | 0.95 | |
| Hot | 47.1°C | 0.95 | |
| Cold | 40.8°C | 0.95 | |



IR005864.IS2-Boilers panel 12/5/2016 5:37:00 PM



Visible Light Image



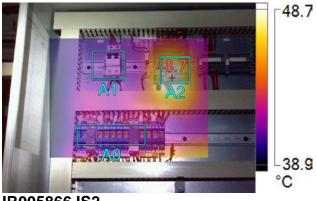


Visible Light Image

IR005865.IS2 12/5/2016 5:37:09 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 45.1°C | 42.4°C | 46.3°C | 0.95 |
| A1 | 44.1°C | 43.6°C | 44.8°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 46.3°C | 0.95 |

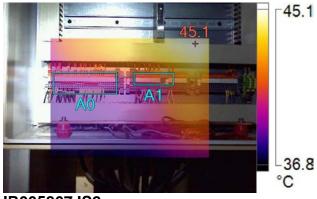


Visible Light Image

IR005866.IS2 12/5/2016 5:37:22 PM

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 41.0°C | 40.5°C | 42.1°C | 0.95 |
| A1 | 40.8°C | 40.4°C | 41.3°C | 0.95 |
| A2 | 46.8°C | 43.6°C | 48.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 48.7°C | 0.95 |





Visible Light Image

IR005867.IS2 12/5/2016 5:37:38 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 39.2°C | 38.2°C | 40.8°C | 0.95 |
| A1 | 41.0°C | 39.7°C | 42.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.1°C | 0.95 |





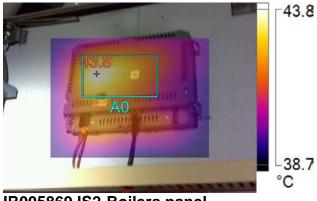
IR005868.IS2-Boilers panel

12/5/2016 5:37:50 PM

Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 42.8°C | 41.2°C | 43.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 43.7°C | 0.95 |





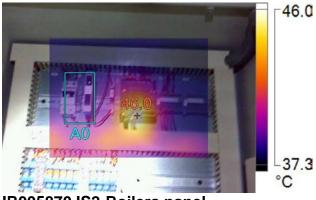
IR005869.IS2-Boilers panel

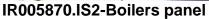
12/5/2016 5:37:58 PM

Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.5°C | 40.7°C | 43.8°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 43.8°C | 0.95 |





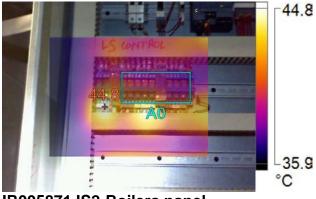
12/5/2016 5:38:08 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 38.9°C | 38.0°C | 40.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 46.0°C | 0.95 |





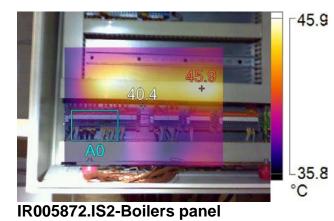
IR005871.IS2-Boilers panel

12/5/2016 5:38:18 PM

Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 39.8°C | 37.9°C | 43.2°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 44.8°C | 0.95 |



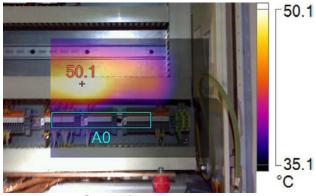


Visible Light Image

12/5/2016 5:38:23 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 36.8°C | 36.0°C | 38.9°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 40.4°C | 0.95 |
| Hot | 45.9°C | 0.95 |



IR005873.IS2-Boilers panel

12/5/2016 5:38:28 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 37.2°C | 35.7°C | 38.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 50.1°C | 0.95 |

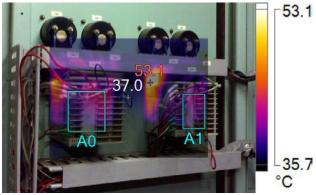


IR005874.IS2-Boilers panel

12/5/2016 5:39:42 PM



Visible Light Image



IR005875.IS2-Boilers panel

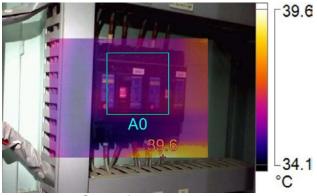
12/5/2016 5:40:02 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 38.3°C | 36.0°C | 41.5°C | 0.95 |
| A1 | 37.9°C | 35.9°C | 40.3°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 37.0°C | 0.95 |
| Hot | 53.1°C | 0.95 |





IR005876.IS2-Boilers panel

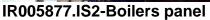
12/5/2016 5:41:27 PM

Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 35.0°C | 34.7°C | 35.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 39.6°C | 0.95 |





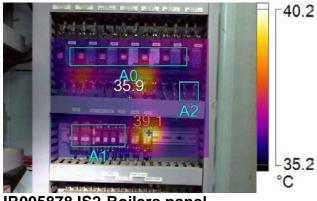
12/5/2016 5:41:39 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 36.0°C | 35.2°C | 37.2°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 38.5°C | 0.95 |



IR005878.IS2-Boilers panel

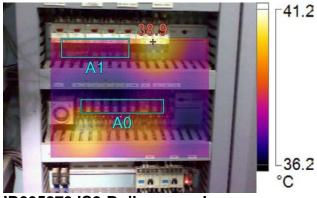
12/5/2016 5:41:52 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A1 | 36.3°C | 35.9°C | 36.8°C | 0.95 |
| A2 | 35.9°C | 35.6°C | 36.2°C | 0.95 |
| A0 | 36.1°C | 35.6°C | 37.4°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 35.9°C | 0.95 |
| Hot | 39.1°C | 0.95 |



IR005879.IS2-Boilers panel

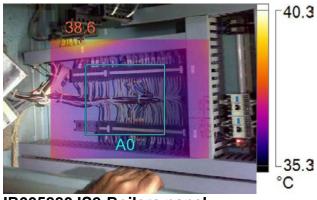
12/5/2016 5:42:15 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 37.1°C | 36.4°C | 38.3°C | 0.95 |
| A1 | 37.3°C | 36.9°C | 37.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 38.9°C | 0.95 |



IR005880.IS2-Boilers panel

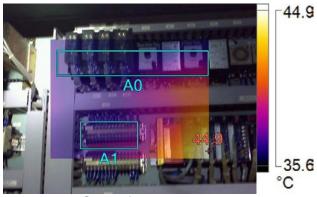
12/5/2016 5:42:22 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 35.7°C | 35.3°C | 36.2°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 38.6°C | 0.95 |



IR005881.IS2-Boilers panel

12/5/2016 5:42:38 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 37.0°C | 36.0°C | 39.7°C | 0.95 |
| A1 | 37.2°C | 36.6°C | 38.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 44.9°C | 0.95 |





Visible Light Image

12/5/2016 5:42:49 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 36.8°C | 35.2°C | 38.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 41.7°C | 0.95 |



IR005883.IS2-Boilers panel

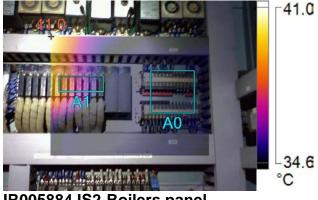
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Visible Light Image

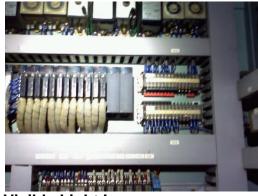
| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 35.1°C | 34.2°C | 37.3°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 35.0°C | 0.95 |
| Hot | 41.4°C | 0.95 |



IR005884.IS2-Boilers panel

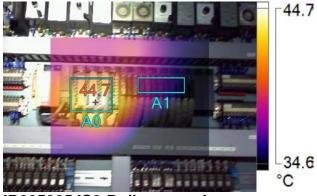
12/5/2016 5:43:00 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 35.4°C | 34.9°C | 36.0°C | 0.95 |
| A1 | 37.7°C | 35.9°C | 39.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 41.0°C | 0.95 |



IR005885.IS2-Boilers panel

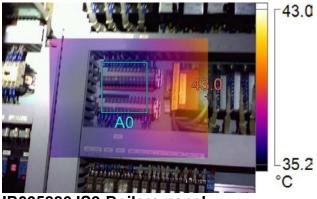
12/5/2016 5:43:10 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 43.2°C | 40.8°C | 44.7°C | 0.95 |
| A1 | 38.1°C | 36.4°C | 40.2°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 44.7°C | 0.95 |



IR005886.IS2-Boilers panel

12/5/2016 5:43:15 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 36.4°C | 35.6°C | 38.0°C | 0.95 |

| Name | Temperature | Emissivity | |
|------|-------------|------------|--|
| Hot | 43.0°C | 0.95 | |





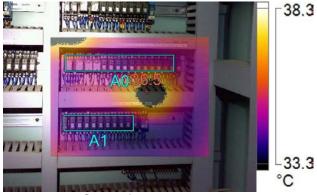
12/5/2016 5:43:21 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 36.4°C | 35.7°C | 37.6°C | 0.95 |
| A1 | 35.9°C | 35.0°C | 37.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 39.3°C | 0.95 |
| Cold | 34.5°C | 0.95 |





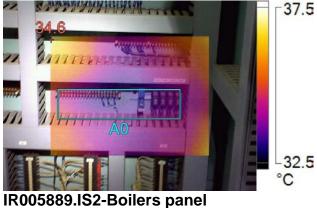
IR005888.IS2-Boilers panel

12/5/2016 5:43:28 PM

Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 34.4°C | 33.8°C | 35.3°C | 0.95 |
| A1 | 33.8°C | 33.3°C | 34.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 36.5°C | 0.95 |



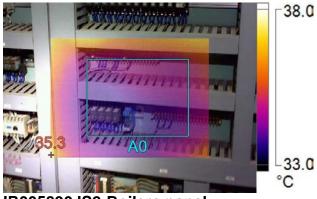


Visible Light Image

12/5/2016 5:43:34 PM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 33.0°C | 32.5°C | 33.8°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 34.6°C | 0.95 |





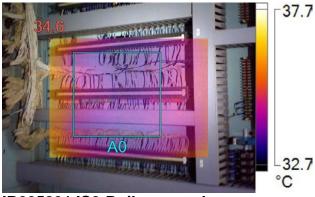
12/5/2016 5:43:38 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 33.5°C | 33.0°C | 34.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 35.3°C | 0.95 |



IR005891.IS2-Boilers panel

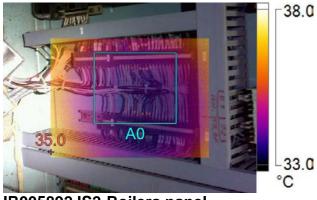
12/5/2016 5:43:50 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 33.1°C | 32.7°C | 33.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 34.6°C | 0.95 |





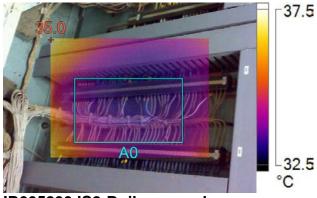
IR005892.IS2-Boilers panel

12/5/2016 5:44:34 PM

Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 33.5°C | 33.1°C | 34.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 35.0°C | 0.95 |



IR005893.IS2-Boilers panel

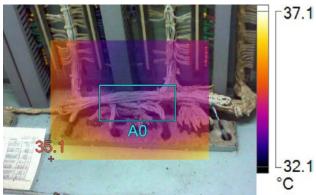
12/5/2016 5:44:56 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 33.0°C | 32.5°C | 33.8°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 35.0°C | 0.95 |



IR005894.IS2-Boilers panel

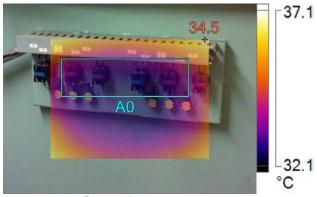
12/5/2016 5:45:01 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 32.8°C | 32.2°C | 33.4°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 35.1°C | 0.95 |





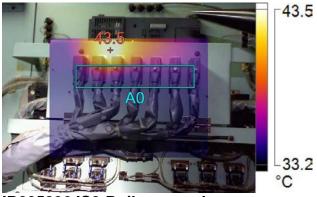
12/5/2016 5:45:16 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 32.6°C | 32.1°C | 33.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 34.5°C | 0.95 |



IR005896.IS2-Boilers panel

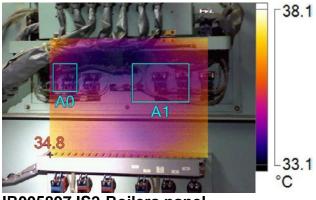
12/5/2016 5:45:41 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 35.9°C | 34.1°C | 40.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 43.5°C | 0.95 |





12/5/2016 5:45:49 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 33.5°C | 33.2°C | 33.9°C | 0.95 |
| A1 | 33.6°C | 33.1°C | 34.0°C | 0.95 |

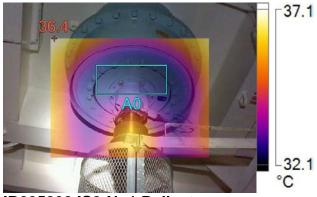
| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 34.8°C | 0.95 |



IR005898.IS2-No1 Ballast pump 12/5/2016 7:06:54 PM



Visible Light Image



IR005899.IS2-No1 Ballast pump

12/5/2016 7:07:11 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 32.4°C | 32.1°C | 33.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 36.4°C | 0.95 |



IR005900.IS2-No1 Ballast pump

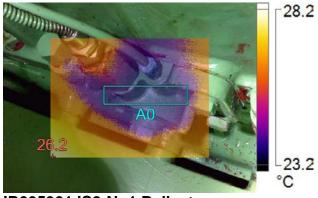
12/5/2016 7:07:23 PM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 33.7°C | 31.6°C | 35.4°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 35.4°C | 0.95 |



IR005901.IS2-No1 Ballast pump

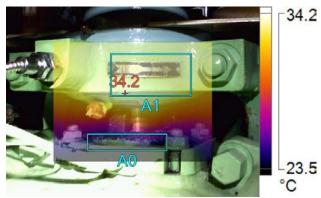
12/5/2016 7:09:06 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 23.5°C | 23.2°C | 23.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 26.2°C | 0.95 |



IR005902.IS2-No1 Ballast pump

12/5/2016 7:09:52 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 25.1°C | 23.9°C | 27.2°C | 0.95 |
| A1 | 33.6°C | 32.4°C | 34.2°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 34.2°C | 0.95 |

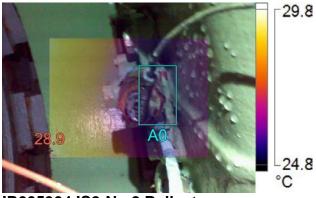


IR005903.IS2-No 2 Ballast pump

12/5/2016 7:19:24 PM



Visible Light Image



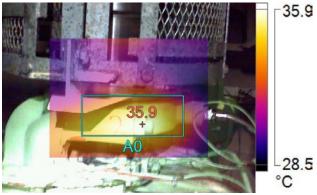
IR005904.IS2-No 2 Ballast pump 12/5/2016 7:19:48 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 25.3°C | 24.8°C | 25.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 28.9°C | 0.95 |

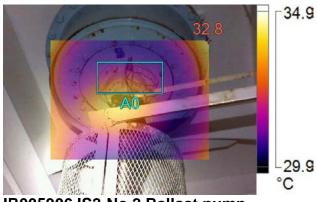


IR005905.IS2-No 2 Ballast pump 12/5/2016 7:20:24 PM



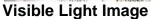
| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 34.1°C | 30.7°C | 35.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 35.9°C | 0.95 |



IR005906.IS2-No 2 Ballast pump 12/5/2016 7:20:35 PM





| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 31.1°C | 30.4°C | 32.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 32.8°C | 0.95 |



IR005907.IS2-No 1 Ballast pump panel 12/5/2016 8:12:30 PM



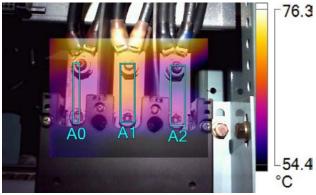
Visible Light Image



IR005908.IS2-No 1 Ballast pump panel 12/5/2016 8:12:44 PM



Visible Light Image

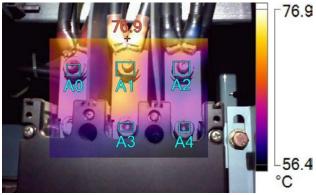


IR005909.IS2-No 1 Ballast pump panel 12/5/2016 8:13:05 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 62.0°C | 60.0°C | 65.2°C | 0.95 |
| A1 | 64.6°C | 60.0°C | 68.0°C | 0.95 |
| A2 | 59.7°C | 57.5°C | 61.9°C | 0.95 |



IR005910.IS2-No 1 Ballast pump panel 12/5/2016 8:13:20 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 62.2°C | 60.4°C | 64.5°C | 0.95 |
| A1 | 69.5°C | 67.3°C | 70.7°C | 0.95 |
| A2 | 61.5°C | 59.2°C | 63.6°C | 0.95 |
| A3 | 61.2°C | 59.3°C | 63.4°C | 0.95 |
| A4 | 59.5°C | 58.1°C | 60.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 76.9°C | 0.95 |



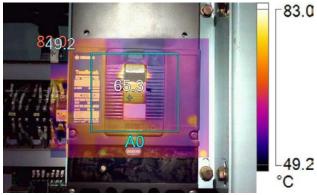
IR005911.IS2-No 1 Ballast pump panel 12/5/2016 8:13:46 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 61.9°C | 60.5°C | 63.7°C | 0.95 |
| A1 | 64.3°C | 63.4°C | 65.3°C | 0.95 |
| A2 | 62.1°C | 60.5°C | 64.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 74.1°C | 0.95 |



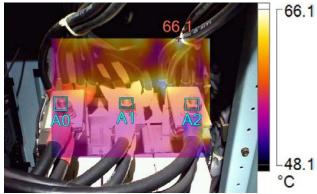
IR005912.IS2-No 1 Ballast pump panel 12/5/2016 8:14:07 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 61.1°C | 51.0°C | 73.6°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 65.3°C | 0.95 |
| Hot | 83.0°C | 0.95 |
| Cold | 49.2°C | 0.95 |



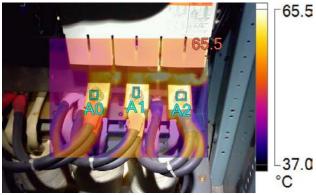
IR005913.IS2-No 1 Ballast pump panel 12/5/2016 8:14:26 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 56.8°C | 55.9°C | 58.3°C | 0.95 |
| A1 | 58.8°C | 57.7°C | 60.2°C | 0.95 |
| A2 | 58.0°C | 56.0°C | 59.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 66.1°C | 0.95 |



IR005914.IS2-No 1 Ballast pump panel 12/5/2016 8:14:36 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 54.9°C | 53.4°C | 55.8°C | 0.95 |
| A1 | 57.5°C | 56.1°C | 58.4°C | 0.95 |
| A2 | 58.4°C | 56.7°C | 59.4°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 65.5°C | 0.95 |



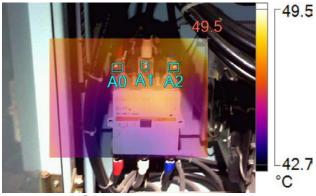
IR005915.IS2-No 1 Ballast pump panel 12/5/2016 8:14:54 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 38.1°C | 37.2°C | 39.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 42.4°C | 0.95 |

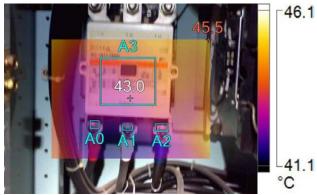


IR005916.IS2-No 1 Ballast pump panel 12/5/2016 8:15:49 PM



| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 45.2°C | 44.9°C | 45.4°C | 0.95 |
| A1 | 45.4°C | 45.2°C | 45.6°C | 0.95 |
| A2 | 45.7°C | 45.5°C | 45.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 49.5°C | 0.95 |



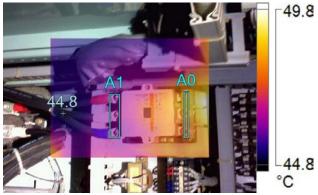
IR005917.IS2-No 1 Ballast pump panel 12/5/2016 8:16:08 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.2°C | 41.9°C | 42.5°C | 0.95 |
| A1 | 42.0°C | 41.7°C | 42.4°C | 0.95 |
| A2 | 43.0°C | 42.6°C | 43.3°C | 0.95 |
| A3 | 43.3°C | 42.6°C | 44.2°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 43.0°C | 0.95 |
| Hot | 45.5°C | 0.95 |



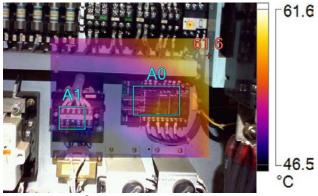
IR005918.IS2-No 1 Ballast pump panel 12/5/2016 8:16:16 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 47.9°C | 47.2°C | 48.5°C | 0.95 |
| A1 | 46.0°C | 45.8°C | 46.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Cold | 44.8°C | 0.95 |

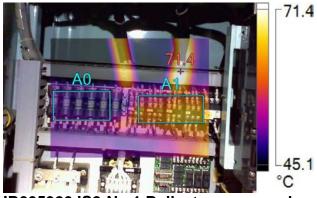


IR005919.IS2-No 1 Ballast pump panel 12/5/2016 8:16:23 PM



| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 52.5°C | 49.4°C | 55.0°C | 0.95 |
| A1 | 49.8°C | 47.9°C | 51.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 61.6°C | 0.95 |

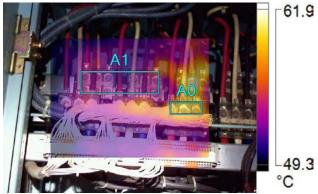


IR005920.IS2-No 1 Ballast pump panel 12/5/2016 8:16:35 PM

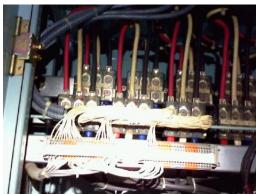


| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 49.3°C | 47.8°C | 51.4°C | 0.95 |
| A1 | 58.0°C | 52.2°C | 63.4°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 71.4°C | 0.95 |



IR005921.IS2-No 1 Ballast pump panel 12/5/2016 8:16:54 PM



| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 60.1°C | 58.1°C | 60.9°C | 0.95 |
| A1 | 54.8°C | 52.5°C | 58.3°C | 0.95 |



IR005922.IS2-No 1 Ballast pump panel 12/5/2016 8:17:03 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 56.5°C | 52.8°C | 58.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 79.3°C | 0.95 |



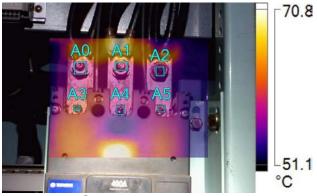
IR005923.IS2-No 1 Ballast pump panel 12/5/2016 8:17:39 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 57.5°C | 57.1°C | 57.9°C | 0.95 |
| A1 | 56.9°C | 56.4°C | 57.6°C | 0.95 |
| A2 | 55.9°C | 55.3°C | 56.6°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 56.9°C | 0.95 |
| Hot | 68.6°C | 0.95 |



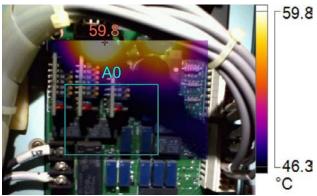
IR005924.IS2-No 1 Ballast pump panel 12/5/2016 8:17:48 PM



Visible Light Image

| Main Image Markers | |
|--------------------|--|
|--------------------|--|

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 59.1°C | 58.5°C | 59.6°C | 0.95 |
| A1 | 59.4°C | 58.8°C | 60.9°C | 0.95 |
| A2 | 58.0°C | 57.5°C | 58.4°C | 0.95 |
| A3 | 60.7°C | 60.5°C | 60.8°C | 0.95 |
| A4 | 58.1°C | 57.4°C | 58.7°C | 0.95 |
| A5 | 58.7°C | 58.4°C | 59.0°C | 0.95 |



IR005925.IS2-No 1 Ballast pump panel 12/5/2016 8:18:10 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 47.0°C | 46.3°C | 49.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 59.8°C | 0.95 |

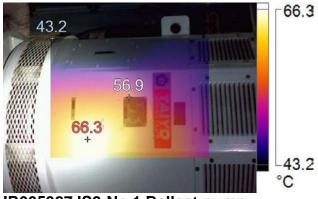


IR005926.IS2-No 1 Ballast pump 12/5/2016 8:18:57 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 55.9°C | 0.95 |
| Hot | 58.9°C | 0.95 |
| Cold | 40.1°C | 0.95 |

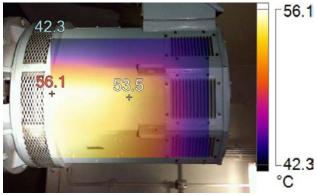


IR005927.IS2-No 1 Ballast pump 12/5/2016 8:19:11 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 56.9°C | 0.95 |
| Hot | 66.3°C | 0.95 |
| Cold | 43.2°C | 0.95 |

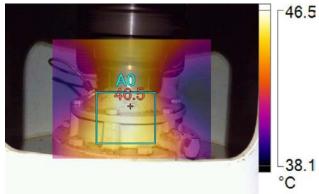


IR005929.IS2-No 1 Ballast pump 12/5/2016 8:19:52 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 53.5°C | 0.95 |
| Hot | 56.1°C | 0.95 |
| Cold | 42.3°C | 0.95 |



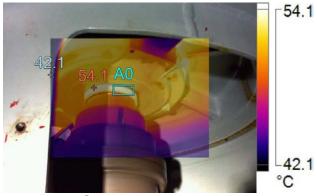
IR005930.IS2-No 1 Ballast pump 12/5/2016 8:20:33 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 45.3°C | 42.8°C | 46.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 46.5°C | 0.95 |



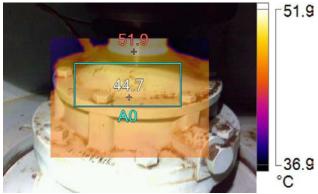
IR005931.IS2-No 1 Ballast pump 12/5/2016 8:21:26 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 52.8°C | 49.5°C | 54.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 54.1°C | 0.95 |
| Cold | 42.1°C | 0.95 |



IR005932.IS2-No 1 Ballast pump 12/5/2016 8:21:53 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 45.1°C | 43.7°C | 45.9°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 44.7°C | 0.95 |
| Hot | 51.9°C | 0.95 |



IR005933.IS2-No2 Ballast pump panel 12/5/2016 8:22:06 PM



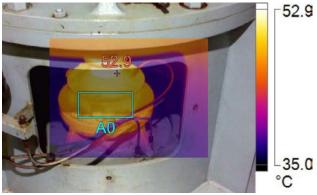
Visible Light Image



IR005934.IS2-No2 Ballast pump panel 12/5/2016 8:22:31 PM



Visible Light Image



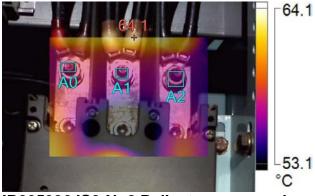
IR005935.IS2-No2 Ballast pump panel 12/5/2016 8:23:10 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 45.1°C | 40.0°C | 46.4°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 52.9°C | 0.95 |



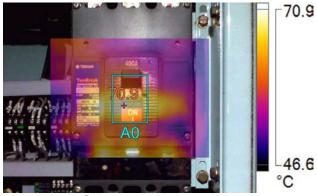
IR005936.IS2-No2 Ballast pump panel 12/5/2016 8:23:39 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 59.7°C | 59.4°C | 59.9°C | 0.95 |
| A1 | 59.1°C | 58.7°C | 59.5°C | 0.95 |
| A2 | 58.6°C | 58.3°C | 59.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 64.1°C | 0.95 |



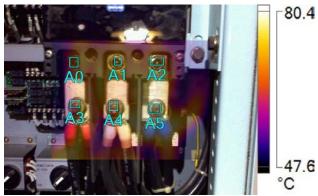
IR005937.IS2-No2 Ballast pump panel 12/5/2016 8:23:45 PM



Visible Light Image

| Name | Ava | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| Name | Avg | | Iviax | Emissivity |
| A0 | 66.0°C | 60.5°C | 70.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 70.9°C | 0.95 |



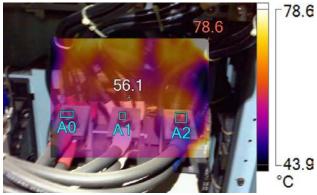
IR005938.IS2-No2 Ballast pump panel 12/5/2016 8:23:55 PM



Visible Light Image

| | | - | - | |
|------|---------------------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 69.7°C | 65.6°C | 73.3°C | 0.95 |
| A1 | 74.5°C | 73.2°C | 75.5°C | 0.95 |
| A2 | 72.9°C | 70.1°C | 74.7°C | 0.95 |
| A3 | <mark>67.5°C</mark> | 64.1°C | 71.5°C | 0.95 |
| A4 | 70.0°C | 68.4°C | 72.3°C | 0.95 |
| A5 | <mark>77.5°C</mark> | 76.2°C | 78.5°C | 0.95 |

A3 & A5 connections Delta "T" 10 deg C. Connections to be opened u, cleaned & fitted back



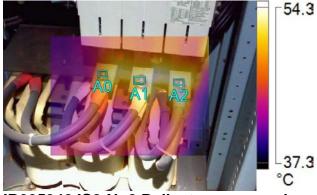
IR005939.IS2-No2 Ballast pump panel 12/5/2016 8:24:05 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 52.4°C | 51.8°C | 52.8°C | 0.95 |
| A1 | 54.0°C | 53.5°C | 54.6°C | 0.95 |
| A2 | 54.9°C | 52.8°C | 57.5°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 56.1°C | 0.95 |
| Hot | 78.6°C | 0.95 |

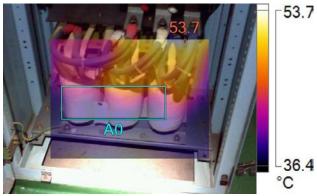


IR005940.IS2-No2 Ballast pump panel 12/5/2016 8:24:26 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 51.0°C | 48.9°C | 52.5°C | 0.95 |
| A1 | 53.3°C | 52.1°C | 53.9°C | 0.95 |
| A2 | 54.0°C | 53.5°C | 54.3°C | 0.95 |



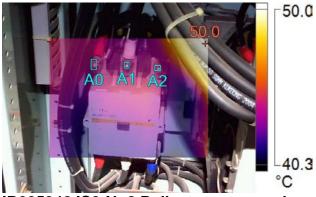
IR005941.IS2-No2 Ballast pump panel 12/5/2016 8:24:32 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 40.1°C | 37.5°C | 45.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 53.7°C | 0.95 |



IR005942.IS2-No2 Ballast pump panel 12/5/2016 8:24:46 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 43.1°C | 42.9°C | 43.3°C | 0.95 |
| A1 | 43.0°C | 42.7°C | 43.1°C | 0.95 |
| A2 | 43.1°C | 42.9°C | 43.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 50.0°C | 0.95 |



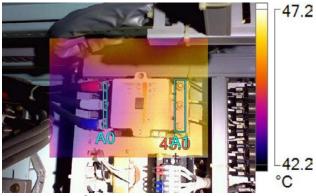
IR005943.IS2-No2 Ballast pump panel 12/5/2016 8:24:58 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 40.4°C | 40.1°C | 40.7°C | 0.95 |
| A1 | 40.2°C | 39.8°C | 40.5°C | 0.95 |
| A2 | 40.5°C | 40.2°C | 40.8°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 42.8°C | 0.95 |



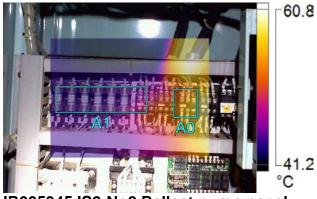
IR005944.IS2-No2 Ballast pump panel 12/5/2016 8:25:13 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 42.9°C | 42.6°C | 43.1°C | 0.95 |
| A1 | 44.2°C | 43.8°C | 44.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 45.0°C | 0.95 |

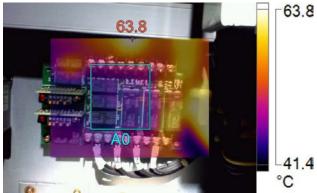


IR005945.IS2-No2 Ballast pump panel 12/5/2016 8:25:24 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 54.6°C | 51.4°C | 57.5°C | 0.95 |
| A1 | 45.5°C | 43.9°C | 51.0°C | 0.95 |



IR005946.IS2-No2 Ballast pump panel 12/5/2016 8:25:40 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 46.5°C | 42.3°C | 51.5°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 63.8°C | 0.95 |



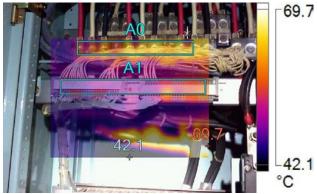
IR005947.IS2-No2 Ballast pump panel 12/5/2016 8:25:53 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 44.9°C | 42.6°C | 46.9°C | 0.95 |
| A1 | 53.0°C | 47.4°C | 61.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 63.6°C | 0.95 |



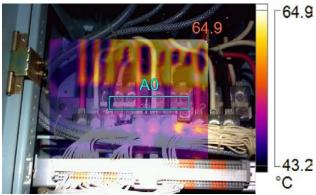
IR005948.IS2-No2 Ballast pump panel 12/5/2016 8:26:14 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 54.8°C | 49.6°C | 59.8°C | 0.95 |
| A1 | 49.3°C | 45.8°C | 55.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 69.7°C | 0.95 |
| Cold | 42.1°C | 0.95 |



IR005949.IS2-No2 Ballast pump panel 12/5/2016 8:26:23 PM



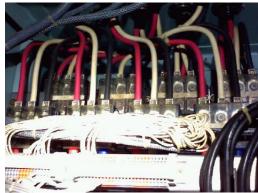
Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 49.4°C | 47.6°C | 51.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 64.9°C | 0.95 |



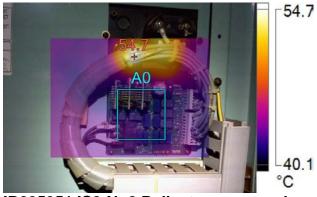
IR005950.IS2-No2 Ballast pump panel 12/5/2016 8:27:09 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 54.4°C | 52.3°C | 57.6°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 62.9°C | 0.95 |



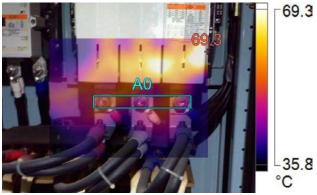
IR005951.IS2-No2 Ballast pump panel 12/5/2016 8:27:27 PM



Visible Light Image

| Name | Ava | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 41.4°C | 40.1°C | 42.8°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 54.7°C | 0.95 |



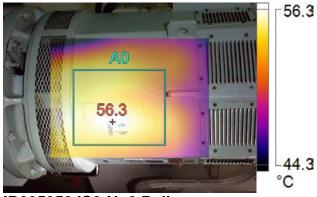
IR005952.IS2-No2 Ballast pump panel 12/5/2016 8:27:59 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 45.1°C | 39.1°C | 48.1°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 69.3°C | 0.95 |



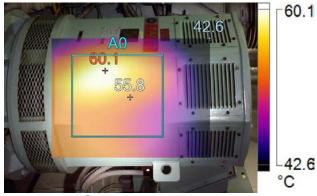
IR005953.IS2-No2 Ballast pump 12/5/2016 8:28:21 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 54.7°C | 51.6°C | 56.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 56.3°C | 0.95 |



IR005954.IS2-No2 Ballast pump 12/5/2016 8:28:42 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 56.1°C | 50.7°C | 60.1°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 55.8°C | 0.95 |
| Hot | 60.1°C | 0.95 |
| Cold | 42.6°C | 0.95 |

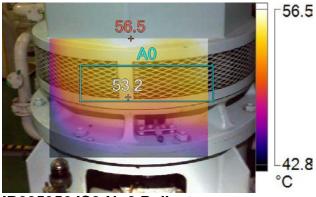


IR005955.IS2-No2 Ballast pump 12/5/2016 8:28:53 PM



Visible Light Image

| U | | | |
|-------------|-------------|------------|--|
| Name | Temperature | Emissivity | |
| Centerpoint | 56.0°C | 0.95 | |
| Hot | 57.6°C | 0.95 | |
| Cold | 44.4°C | 0.95 | |



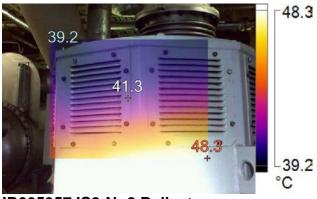
IR005956.IS2-No2 Ballast pump 12/5/2016 8:29:00 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 54.0°C | 52.4°C | 55.5°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 53.2°C | 0.95 |
| Hot | 56.5°C | 0.95 |



IR005957.IS2-No2 Ballast pump 12/5/2016 8:29:05 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 41.3°C | 0.95 |
| Hot | 48.3°C | 0.95 |
| Cold | 39.2°C | 0.95 |

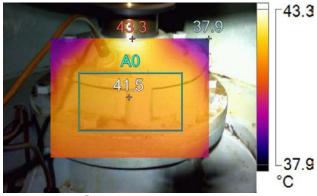


IR005958.IS2-No2 Ballast pump 12/5/2016 8:29:56 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 40.7°C | 0.95 |
| Hot | 42.1°C | 0.95 |
| Cold | 37.0°C | 0.95 |



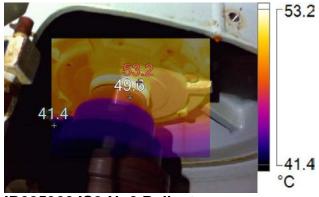
IR005959.IS2-No2 Ballast pump 12/5/2016 8:30:08 PM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 41.6°C | 41.0°C | 42.1°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 41.5°C | 0.95 |
| Hot | 43.3°C | 0.95 |
| Cold | 37.9°C | 0.95 |

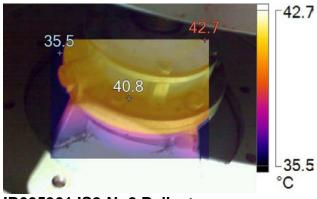


IR005960.IS2-No2 Ballast pump 12/5/2016 8:30:59 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 49.6°C | 0.95 |
| Hot | 53.2°C | 0.95 |
| Cold | 41.4°C | 0.95 |



IR005961.IS2-No2 Ballast pump 12/5/2016 8:31:35 PM



Visible Light Image

| Name | Temperature | Emissivity | |
|-------------|-------------|------------|--|
| Centerpoint | 40.8°C | 0.95 | |
| Hot | 42.7°C | 0.95 | |
| Cold | 35.5°C | 0.95 | |

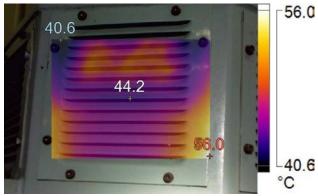


IR005962.IS2-No2 Ballast pump 12/5/2016 8:31:49 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 53.3°C | 0.95 |
| Hot | 59.6°C | 0.95 |
| Cold | 44.9°C | 0.95 |



IR005963.IS2-No2 Ballast pump 12/5/2016 8:32:07 PM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 44.2°C | 0.95 |
| Hot | 56.0°C | 0.95 |
| Cold | 40.6°C | 0.95 |



IR005964.IS2-No1 Pump room fan 12/6/2016 9:25:51 AM



Visible Light Image

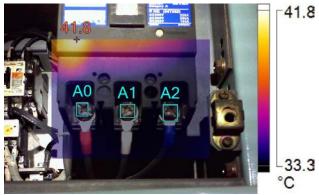


IR005965.IS2-No1 Pump room fan 12/6/2016 9:26:00 AM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 35.1°C | 34.2°C | 36.7°C | 0.95 |
| A1 | 34.2°C | 34.0°C | 34.4°C | 0.95 |
| A2 | 34.2°C | 33.9°C | 34.5°C | 0.95 |



IR005966.IS2-No1 Pump room fan 12/6/2016 9:26:13 AM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 33.7°C | 33.5°C | 33.8°C | 0.95 |
| A1 | 33.5°C | 33.3°C | 33.6°C | 0.95 |
| A2 | 33.5°C | 33.4°C | 33.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 41.8°C | 0.95 |



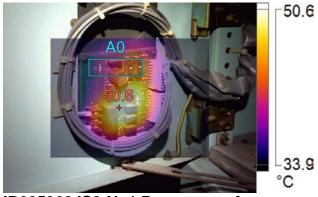
IR005967.IS2-No1 Pump room fan 12/6/2016 9:26:31 AM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 34.2°C | 33.5°C | 36.3°C | 0.95 |
| A1 | 34.3°C | 33.8°C | 34.9°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 42.1°C | 0.95 |



IR005968.IS2-No1 Pump room fan 12/6/2016 9:26:45 AM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 40.7°C | 36.9°C | 43.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 50.6°C | 0.95 |



IR005969.IS2-No 2 Pump room fan 12/6/2016 9:26:58 AM



Visible Light Image



IR005970.IS2-No 2 Pump room fan

12/6/2016 9:27:12 AM



Visible Light Image

| U | | | | |
|------|--------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 35.3°C | 34.5°C | 36.7°C | 0.95 |
| A1 | 34.7°C | 34.2°C | 35.4°C | 0.95 |
| A2 | 34.7°C | 34.4°C | 35.0°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 41.6°C | 0.95 |



IR005971.IS2-No 2 Pump room fan

12/6/2016 9:27:21 AM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 37.1°C | 36.2°C | 38.1°C | 0.95 |
| A1 | 36.1°C | 35.9°C | 36.3°C | 0.95 |
| A2 | 35.9°C | 35.4°C | 36.3°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 40.9°C | 0.95 |



IR005972.IS2-No 2 Pump room fan

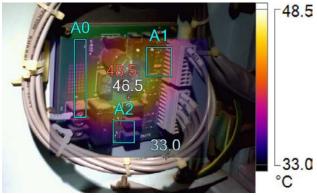
12/6/2016 9:28:16 AM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 34.0°C | 32.9°C | 35.1°C | 0.95 |
| A1 | 39.3°C | 36.2°C | 40.7°C | 0.95 |
| A2 | 39.1°C | 36.5°C | 40.7°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 40.9°C | 0.95 |



IR005973.IS2-No 2 Pump room fan

12/6/2016 9:28:45 AM



Visible Light Image

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 39.5°C | 36.1°C | 43.1°C | 0.95 |
| A1 | 42.9°C | 39.2°C | 46.8°C | 0.95 |
| A2 | 37.2°C | 34.9°C | 41.1°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 46.5°C | 0.95 |
| Hot | 48.5°C | 0.95 |
| Cold | 33.0°C | 0.95 |



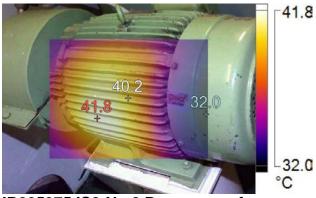
IR005974.IS2-No 2 Pump room fan

12/6/2016 9:29:33 AM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 38.9°C | 0.95 |
| Hot | 41.3°C | 0.95 |
| Cold | 31.9°C | 0.95 |



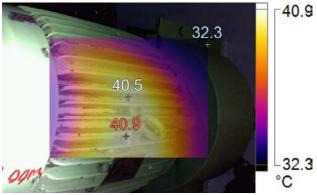
IR005975.IS2-No 2 Pump room fan

12/6/2016 9:30:01 AM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 40.2°C | 0.95 |
| Hot | 41.8°C | 0.95 |
| Cold | 32.0°C | 0.95 |



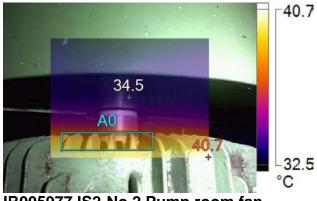
IR005976.IS2-No 2 Pump room fan

12/6/2016 9:30:11 AM



Visible Light Image

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 40.5°C | 0.95 |
| Hot | 40.9°C | 0.95 |
| Cold | 32.3°C | 0.95 |



IR005977.IS2-No 2 Pump room fan

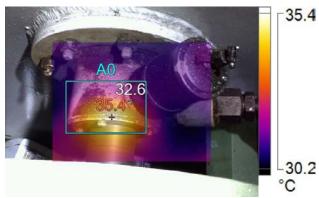
12/6/2016 9:34:24 AM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 38.9°C | 37.8°C | 40.0°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 34.5°C | 0.95 |
| Hot | 40.7°C | 0.95 |



IR005978.IS2-No 2 Pump room fan

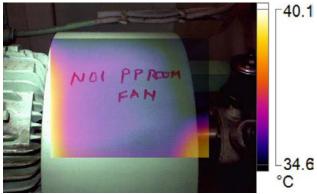
12/6/2016 9:34:31 AM



Visible Light Image

| | <u> </u> | | | |
|------|----------|--------|--------|------------|
| Name | Avg | Min | Max | Emissivity |
| A0 | 32.9°C | 30.7°C | 35.4°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 32.6°C | 0.95 |
| Hot | 35.4°C | 0.95 |



IR005979.IS2-No 1 Pump room fan

12/6/2016 9:35:47 AM



Visible Light Image



IR005980.IS2-No 1 Pump room fan

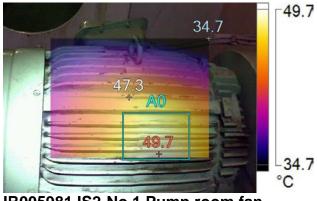


Visible Light Image

12/6/2016 9:35:59 AM

| Name | Ava | Min | Max | Emissivity |
|----------|--------|--------|-----|------------|
| 1 tainio | 47.6°C | 44.2°C | max | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 48.8°C | 0.95 |







Visible Light Image

12/6/2016 9:36:07 AM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 48.8°C | 47.7°C | 49.7°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 47.3°C | 0.95 |
| Hot | 49.7°C | 0.95 |
| Cold | 34.7°C | 0.95 |



IR005982.IS2-No 1 Pump room fan

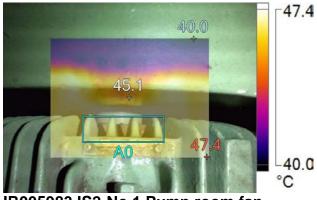


Visible Light Image

12/6/2016 9:36:27 AM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 46.2°C | 42.9°C | 47.8°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 47.2°C | 0.95 |
| Hot | 47.8°C | 0.95 |



IR005983.IS2-No 1 Pump room fan

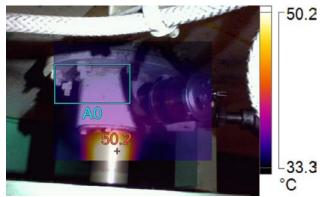


Visible Light Image

12/6/2016 9:36:58 AM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 46.5°C | 45.7°C | 47.2°C | 0.95 |

| Name | Temperature | Emissivity |
|-------------|-------------|------------|
| Centerpoint | 45.1°C | 0.95 |
| Hot | 47.4°C | 0.95 |
| Cold | 40.0°C | 0.95 |



IR005984.IS2-No 1 Pump room fan



Visible Light Image

12/6/2016 9:37:16 AM

| Name | Avg | Min | Max | Emissivity |
|------|--------|--------|--------|------------|
| A0 | 36.0°C | 34.1°C | 37.4°C | 0.95 |

| Name | Temperature | Emissivity |
|------|-------------|------------|
| Hot | 50.2°C | 0.95 |