

LAMPIRAN

Lampiran A Perhitungan Nilai Ketidakseimbangan Tegangan

1. Ketidakseimbangan Tegangan Minggu Ke-1

$$U_V = \frac{\text{Deviasi tegangan phase to phase}}{\text{Nilai rata - rata tegangan phase to phase}} \times 100\%$$

$$U_V = \frac{13.7}{6318.3} \times 100\% = 0.2\%$$

2. Ketidakseimbangan Tegangan Minggu Ke-2

$$U_V = \frac{\text{Deviasi tegangan phase to phase}}{\text{Nilai rata - rata tegangan phase to phase}} \times 100\%$$

$$U_V = \frac{13.7}{6320.3} \times 100\% = 0.2\%$$

3. Ketidakseimbangan Tegangan Minggu Ke-3

$$U_V = \frac{\text{Deviasi tegangan phase to phase}}{\text{Nilai rata - rata tegangan phase to phase}} \times 100\%$$

$$U_V = \frac{13.7}{6323.3} \times 100\% = 0.2\%$$

4. Ketidakseimbangan Tegangan Minggu Ke-4

$$U_V = \frac{\text{Deviasi tegangan phase to phase}}{\text{Nilai rata - rata tegangan phase to phase}} \times 100\%$$

$$U_V = \frac{14}{6321} \times 100\% = 0.2\%$$

Lampiran B Perhitungan Nilai Ketidakseimbangan Arus

1. Ketidakseimbangan Arus Minggu Ke-1

$$U_I = \frac{\text{Deviasi arus phase}}{\text{Nilai rata - rata arus phase}} \times 100\%$$

$$U_I = \frac{0.7}{55.3} \times 100\% = 1.2\%$$

2. Ketidakseimbangan Arus Minggu Ke-2

$$U_I = \frac{\text{Deviasi arus phase}}{\text{Nilai rata - rata arus phase}} \times 100\%$$

$$U_I = \frac{1}{56} \times 100\% = 1.3\%$$

3. Ketidakseimbangan Arus Minggu Ke-3

$$U_I = \frac{\text{Deviasi arus phase}}{\text{Nilai rata - rata arus phase}} \times 100\%$$

$$U_I = \frac{1}{56} \times 100\% = 1.3\%$$

4. Ketidakseimbangan Arus Minggu Ke-4

$$U_I = \frac{\text{Deviasi arus phase}}{\text{Nilai rata - rata arus phase}} \times 100\%$$

$$U_I = \frac{1}{56} \times 100\% = 1.3\%$$

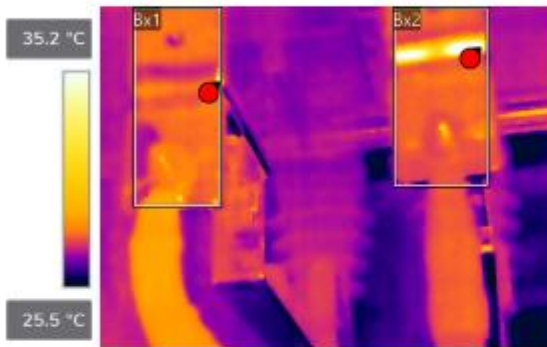
Lampiran C Form Hasil Pengujian *Thermography Incoming UMVB (F2) Connection S-T Januari 2023*



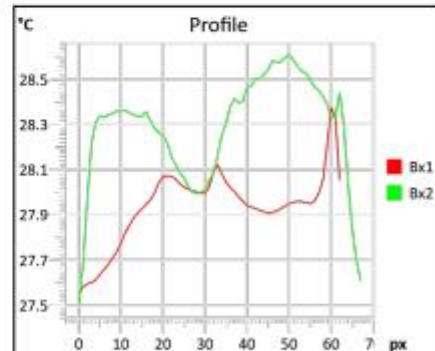
Thermography Inspection Report

Remarks	
Location UMVB	Power Plant Incoming UMVB (F2) Connection S-T

Date of Inspection	: 5 Januari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	39.6 °C
Bx2	
Max	42.5 °C
Dt1	
Bx2.Max-Bx1.Max	3.0 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

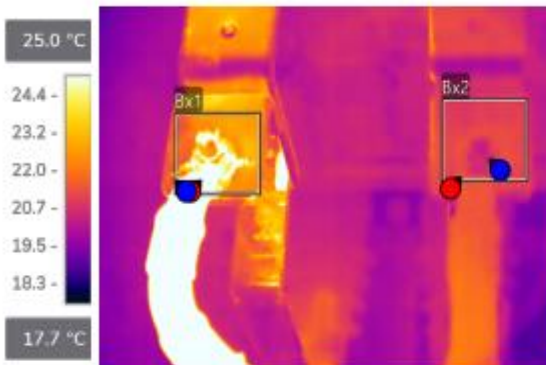
Lampiran C Form Hasil Pengujian *Thermography* UMVB HWP A (F8)
 Connection S-T Minggu ke-3 Maret 2023 (Pengujian 1)



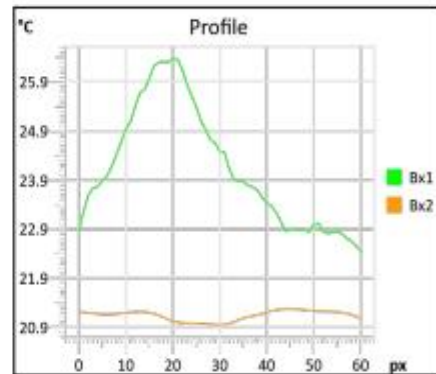
Thermography Inspection Report

Remarks	
Location UMVB	Power Plant UMVB HWP A (F8) Connection S-T

Date of Inspection	: 28 Maret 2023
Inspected By	: Andika; Deri; Faiq



Measurements	
Dt1	
Bx1.Max-Bx2.Max	12.5 °C
Bx1	
Max	34.0 °C
Bx2	
Max	21.5 °C



Grade Level	1
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

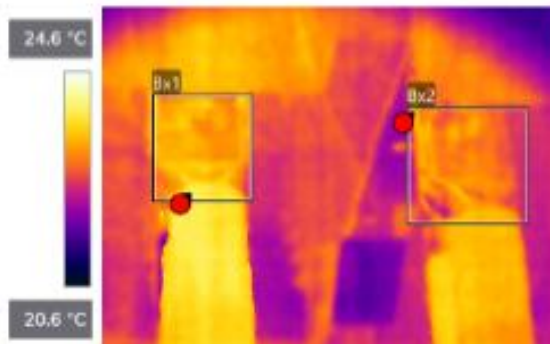
Lampiran C Form Hasil Pengujian *Thermography Incoming UMVB (F1) Connection R-S* Februari 2023



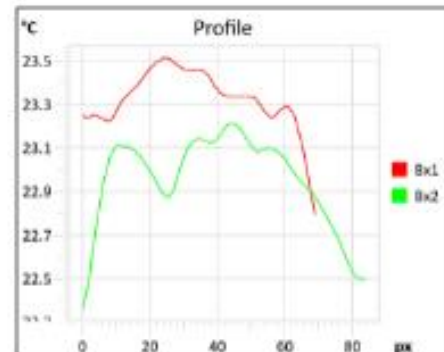
Thermography Inspection Report

Remarks	
Location: UMVB	Power Plant Incoming UMVB (F1) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	23.9 °C
Bx2	
Max	23.5 °C
Dt1	
Bx1.Max-Bx2.Max	0.4 °C



Grade Level **C**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

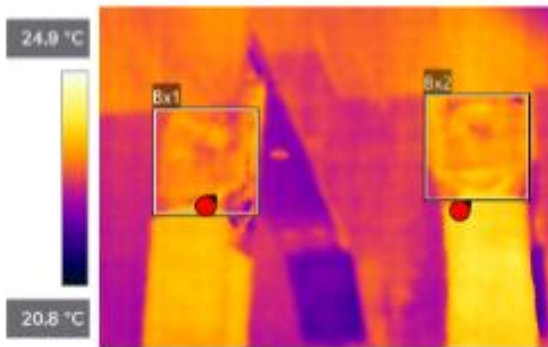
Lampiran C Form Hasil Pengujian *Thermography Incoming UMVB (F1) Connection S-T* Februari 2023



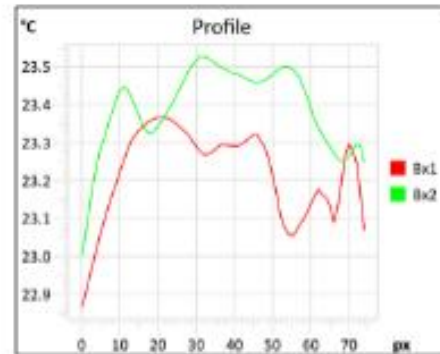
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	Incoming UMVB (F1) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	24.0 °C
Bx2	
Max	23.9 °C
Dt1	
Bx1.Max-Bx2.Max	0.1 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

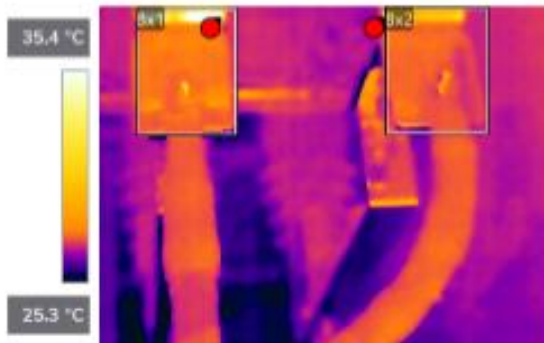
Lampiran C Form Hasil Pengujian *Thermography Incoming UMVB (F2) Connection R-S* Februari 2023



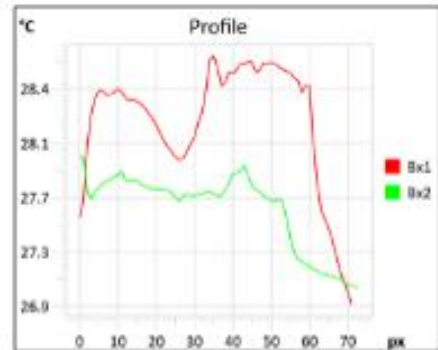
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	Incoming UMVB (F2) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	42.4 °C
Bx2	
Max	38.1 °C
Dt1	
Bx1.Max-Bx2.Max	4.3 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

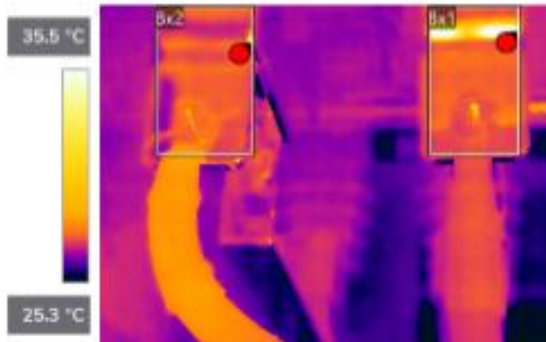
Lampiran C Form Hasil Pengujian *Thermography Incoming UMVB (F2) Connection S-T* Februari 2023



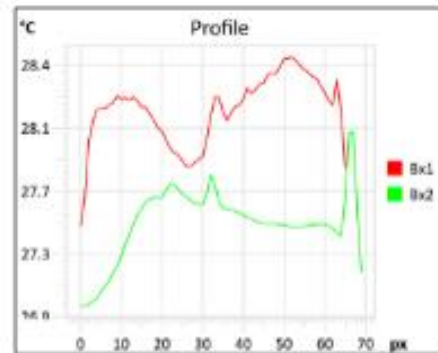
Thermography Inspection Report

Remarks	
Location UMVB	Power Plant Incoming UMVB (F2) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	46.6 °C
Bx2	
Max	41.9 °C
Dt1	
Bx1.Max-Bx2.Max	4.7 °C



Grade Level	C
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

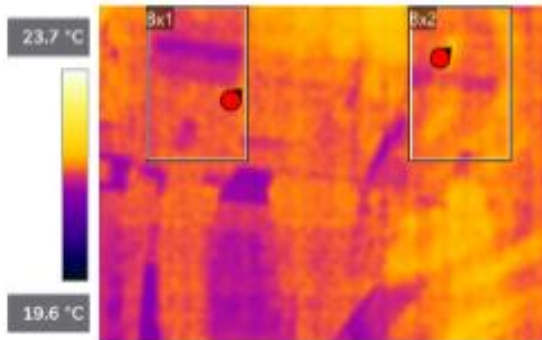
Lampiran C Form Hasil Pengujian *Thermography Incoming UMVB (F3) Connection R-S* Februari 2023



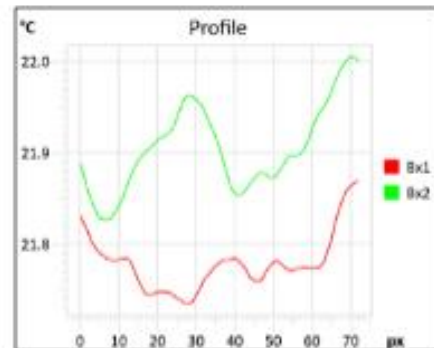
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	Incoming UMVB (F3) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Fsiq



Measurements	
Bx1	
Max	21.9 °C
Bx2	
Max	22.1 °C
Dt1	
Bx2.Max-Bx1.Max	0.2 °C



Grade Level	0
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

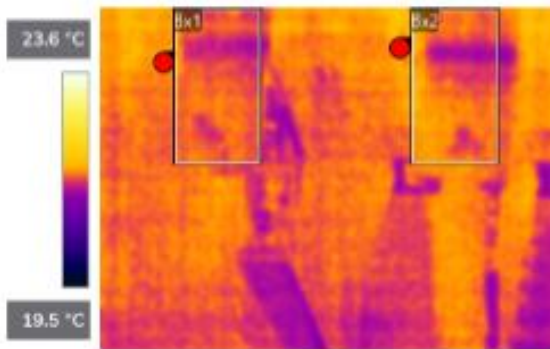
Lampiran C Form Hasil Pengujian *Thermography Incoming UMVB (F3) Connection S-T* Februari 2023



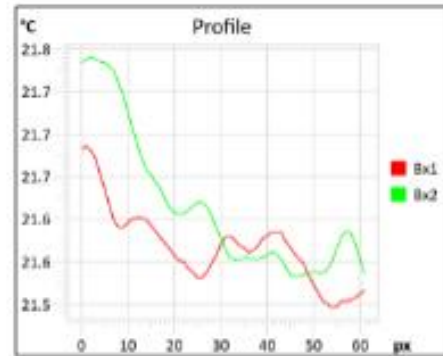
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	Incoming UMVB (F3) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	21.8 °C
Bx2	
Max	21.8 °C
Dt1	
Bx2.Max-Bx1.Max	0.1 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

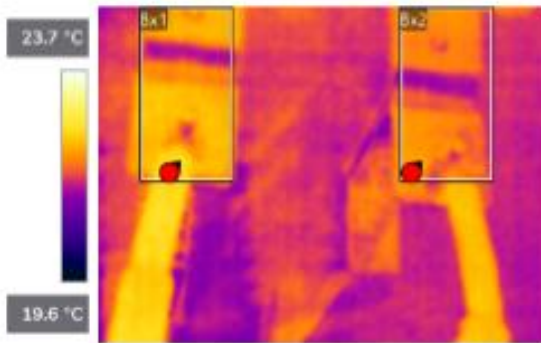
Lampiran C Form Hasil Pengujian *Thermography* UMVB LRVP B (F7) *Connection R-S* Februari 2023



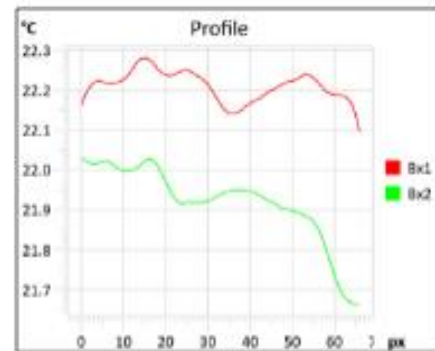
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB LRVP B (F7) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	22.6 °C
Bx2	
Max	22.2 °C
Dt1	
Bx1.Max-Reference temp.	22.6 °C



Grade Level Grade 1

Analysis & Recommended Action

Monitoring Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

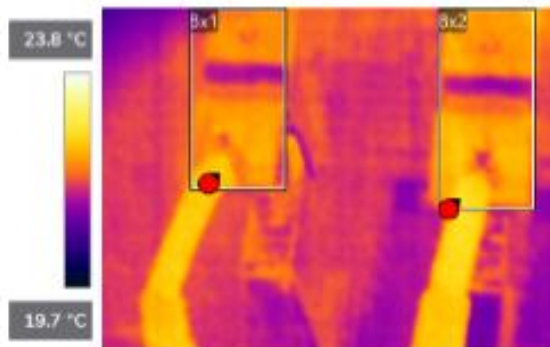
Lampiran C Form Hasil Pengujian *Thermography* UMVB LRVP B (F7) *Connection S-T* Februari 2023



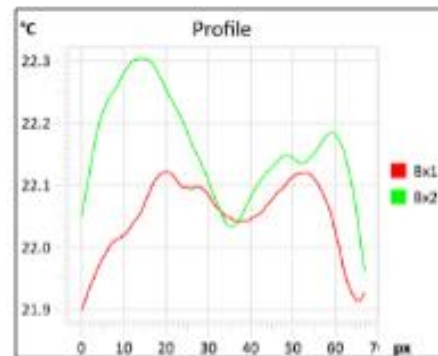
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB LRVP B (F7) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri, Faiz



Measurements	
Bx1	
Max	22.5 °C
Bx2	
Max	22.7 °C
Dt1	
Bx2.Max-Bx1.Max	0.2 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

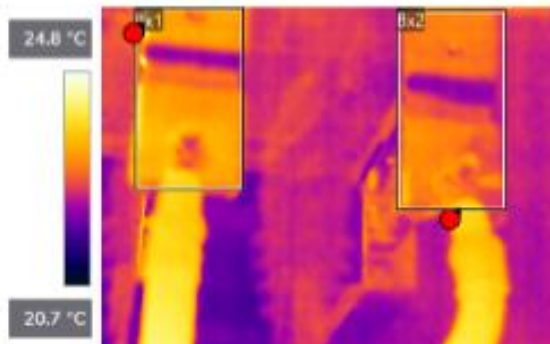
Lampiran C Form Hasil Pengujian *Thermography* UMVB HWP A (F8) *Connection R-S* Februari 2023



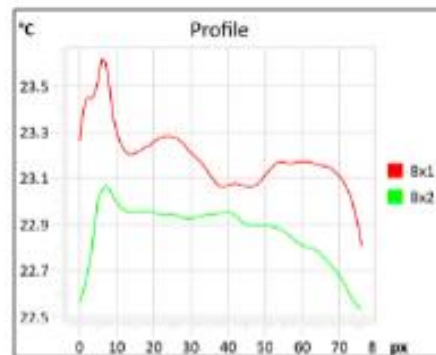
Thermography Inspection Report

Remarks	
Location:	Power Plant
UMVB	UMVB HWP A (F8) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	24.9 °C
Bx2	
Max	23.8 °C
Dt1	
Bx1.Max-Bx2.Max	1.1 °C



Grade Level	0
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

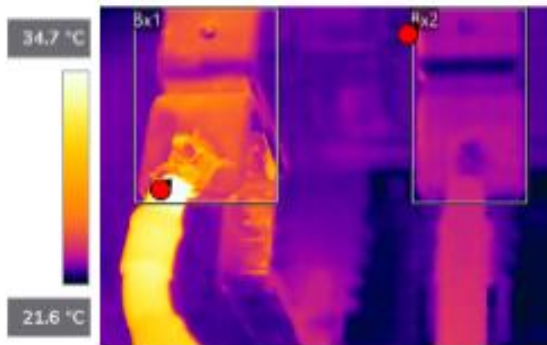
Lampiran C Form Hasil Pengujian *Thermography* UMVB HWP A (F8) *Connection S-T* Februari 2023



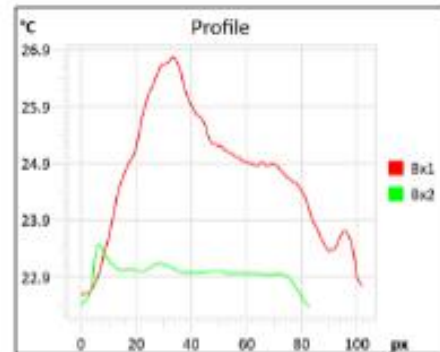
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	36.1 °C
Bx2	
Max	24.6 °C
Dt1	
Bx1.Max-Bx2.Max	11.5 °C



Grade Level	Grade 1
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Analysis & Recommended Action

Monitoring Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

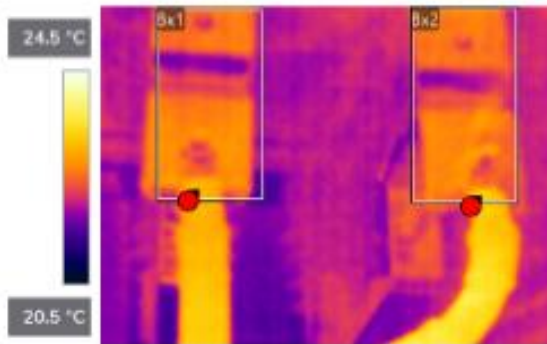
Lampiran C Form Hasil Pengujian *Thermography* UMVB HWP B (F9) Connection R-S Februari 2023



Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP B (F9) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri, Faiq



Measurements	
Bx1	
/Max	23.1 °C
Bx2	
/Max	23.3 °C
Dt1	
Bx2.Max-Bx1.Max	0.2 °C



Grade Level **C**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

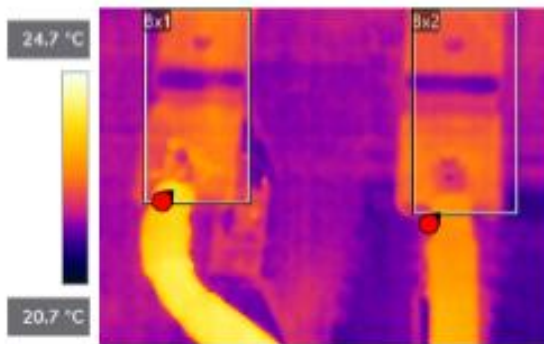
Lampiran C Form Hasil Pengujian *Thermography* UMVB HWP B (F9) *Connection S-T* Februari 2023



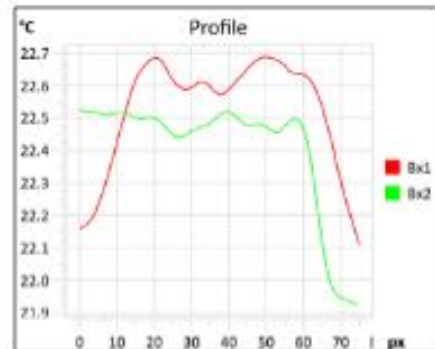
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP B (F9) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	23.8 °C
Bx2	
Max	23.0 °C
Dt1	
Bx1.Max-Bx2.Max	0.8 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

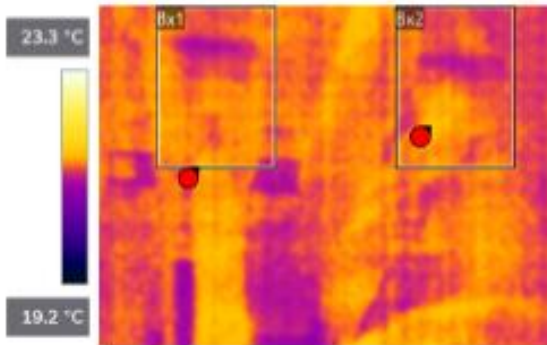
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT A (F10) *Connection R-S* Februari 2023



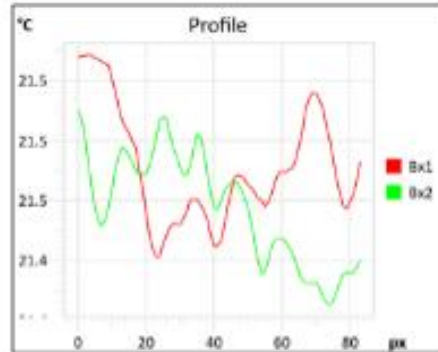
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT A (F10) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	21.6 °C
Bx2	
Max	21.7 °C
Dt1	
Bx2.Max-Bx1.Max	0.1 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

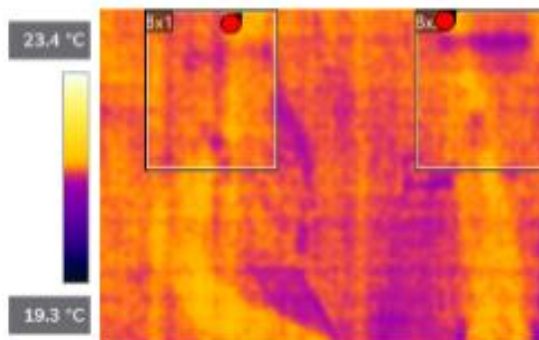
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT A (F10) Connection S-T Februari 2023



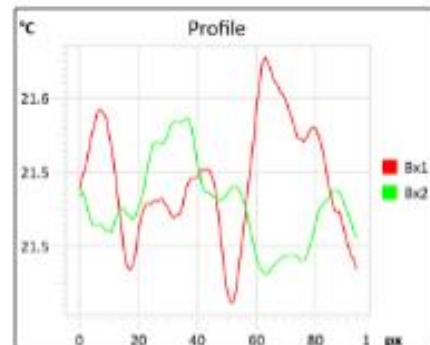
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT A (F10) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	21.7 °C
Bx2	
Max	21.7 °C
DT1	
Bx1.Max-Bx1.Max	0.0 °C



Grade Level 0

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

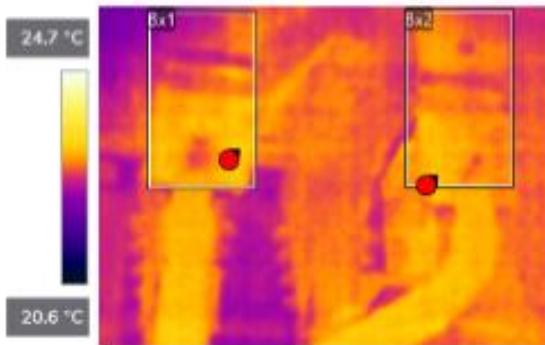
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT B (F11) *Connection R-S* Februari 2023



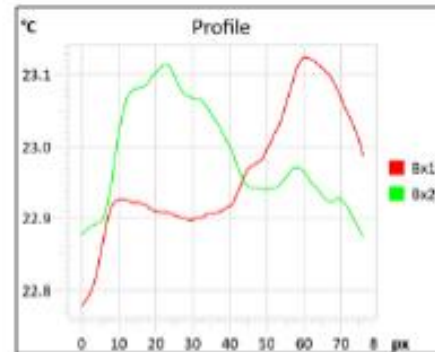
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT B (F11) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	23.3 °C
Bx2	
Max	23.2 °C
Dt1	
Bx1.Max-Bx2.Max	0.1 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

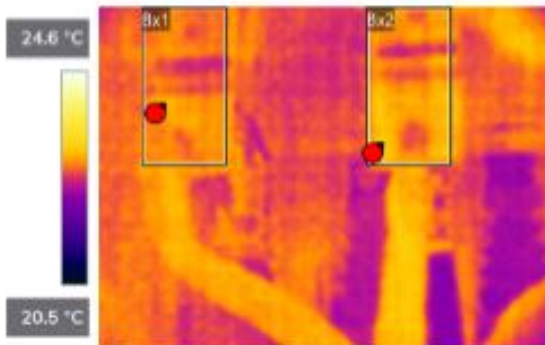
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT B (F11) *Connection S-T* Februari 2023



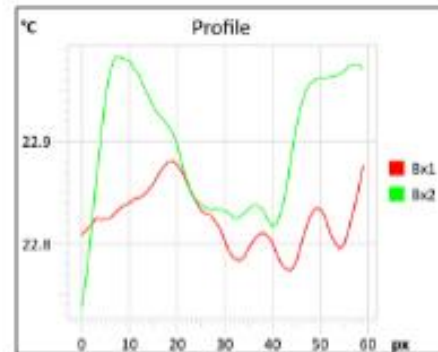
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT B (F11) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri, Faiq



Measurements	
Bx1	
Max	23.0 °C
Bx2	
Max	23.1 °C
Dt1	
Bx2.Max-Bx1.Max	0.1 °C



Grade Level	0
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

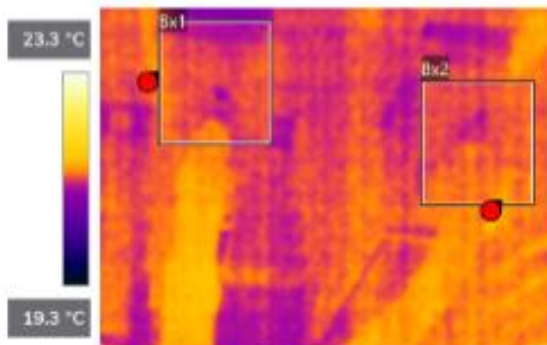
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT C (F12) Connection R-S Februari 2023



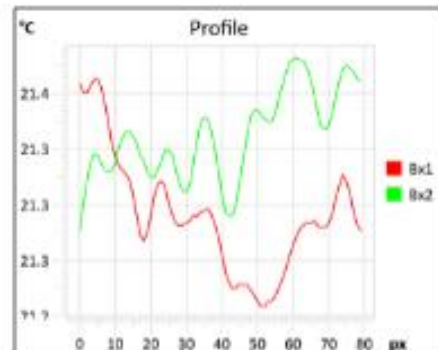
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT C (F12) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri, Faiz



Measurements	
Bx1	
Max	21.5 °C
Bx2	
Max	21.6 °C
Dt1	
Bx2.Max-Bx1.Max	0.1 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

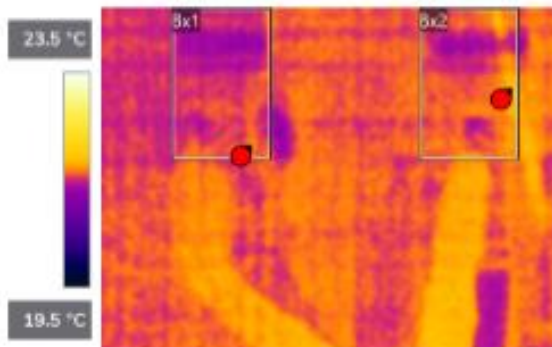
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT C (F12) *Connection S-T* Februari 2023



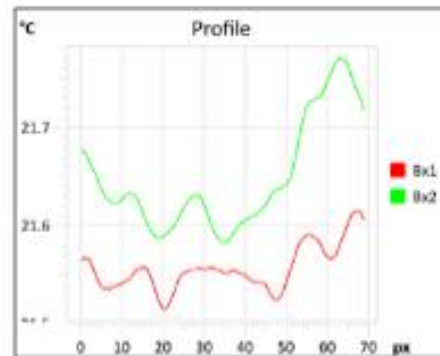
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT C (F12) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	21.7 °C
Bx2	
Max	21.9 °C
Dt1	
Bx2.Max-Bx1.Max	0.2 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

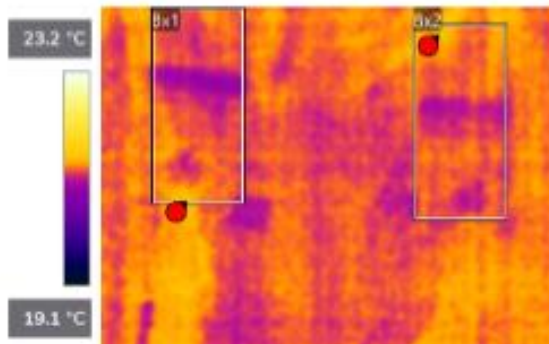
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT D (F13) *Connection R-S* Februari 2023



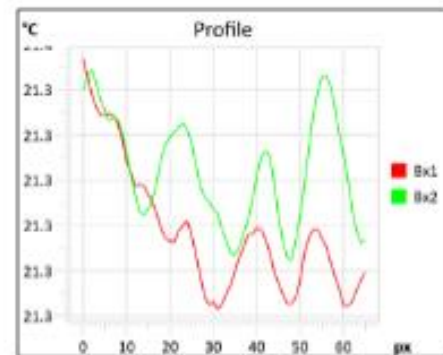
Thermography Inspection Report

Remarks	
Location UMVB	Power Plant UMVB CT D (F13) Connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	21.6 °C
Bx2	
Max	21.6 °C
Dt1	
Bx1.Max-Bx1.Max	0.0 °C



Grade Level	(1)
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

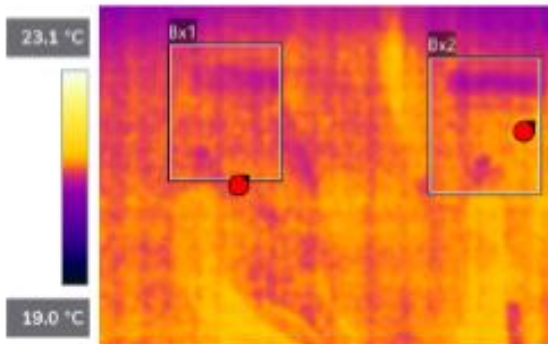
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT D (F13) *Connection S-T* Februari 2023



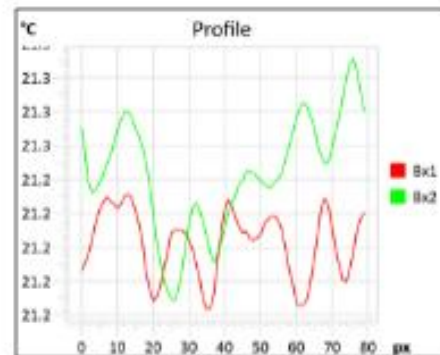
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT D (F13) Connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	21.3 °C
Bx2	
Max	21.5 °C
Dt1	
Bx2.Max-Bx1.Max	0.1 °C



Grade Level	0
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

Lampiran C Form Hasil Pengujian *Thermography* UMVB CT E (F14) *Connection R-S* Februari 2023



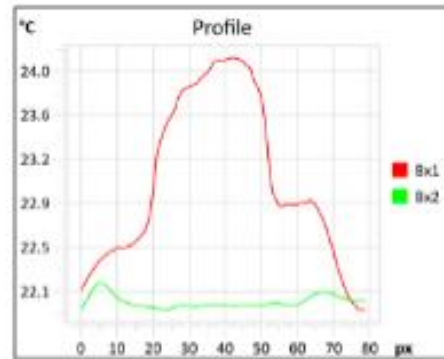
Thermography Inspection Report

Remarks	
Location: UMVB	Power Plant UMVB CT E (F14) connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	26.7 °C
Bx2	
Max	22.3 °C
Dt1	
Bx1.Max-Bx2.Max	4.4 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

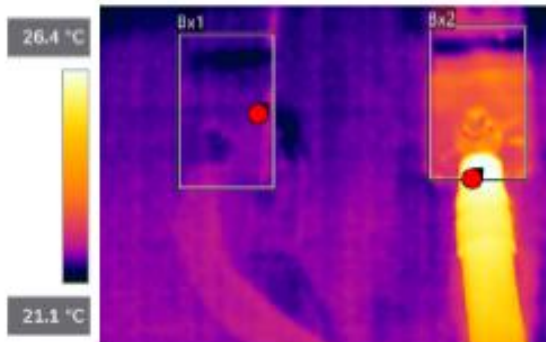
Lampiran C Form Hasil Pengujian *Thermography* UMVB CT E (F14) *Connection S-T* Februari 2023



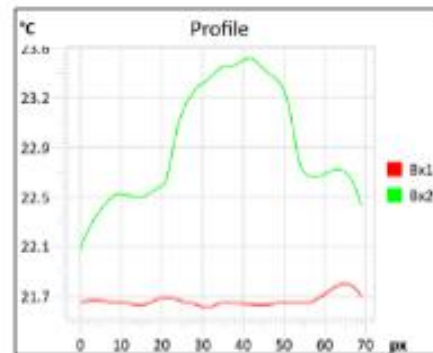
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB CT E (F14) connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	22.0 °C
Bx2	
Max	26.6 °C
Dt1	
Bx2.Max-Bx1.Max	4.6 °C



Grade Level	0
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

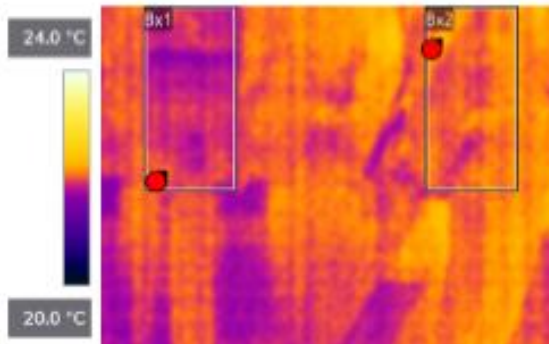
Lampiran C Form Hasil Pengujian *Thermography* UMVB Raw Water (F18) Connection R-S Februari 2023



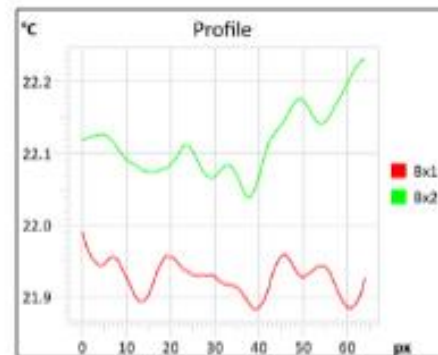
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB Raw Water (F18) connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	22.1 °C
Bx2	
Max	22.3 °C
Dt1	
Bx2.Max-Bx1.Max	0.2 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

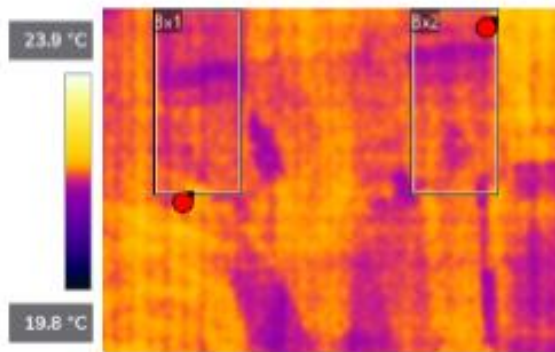
Lampiran C Form Hasil Pengujian *Thermography* UMVB Raw Water (F18) Connection S-T Februari 2023



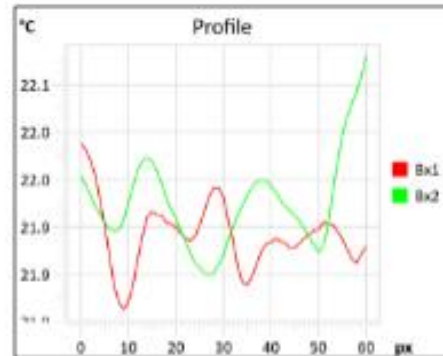
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB Raw Water (F18) connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	22.2 °C
Bx2	
Max	22.2 °C
Dt1	
Bx1.Max-Bx2.Max	0.0 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

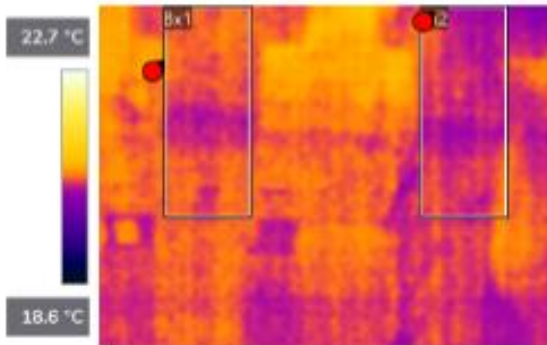
Lampiran C Form Hasil Pengujian *Thermography* UMVB Steamfield (F19) Connection R-S Februari 2023



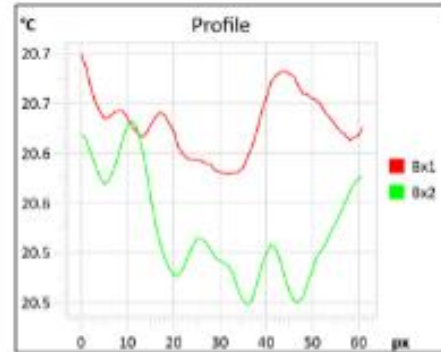
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB Steamfield (F19) connection R-S

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	20.9 °C
Bx2	
Max	20.8 °C
Dt1	
Bx1.Max-Bx2.Max	0.1 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

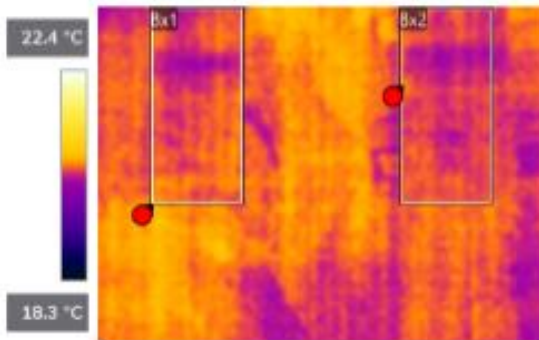
Lampiran C Form Hasil Pengujian *Thermography* UMVB Steamfield (F19) Connection S-T Februari 2023



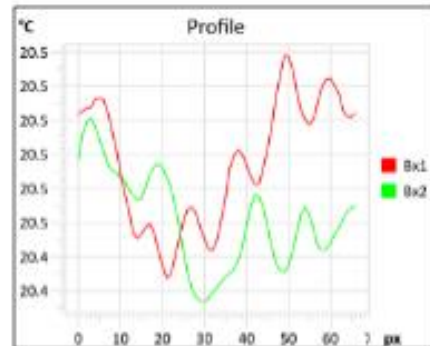
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB Steamfield (F19) connection S-T

Date of Inspection	: 1 Februari 2023
Inspected By	: Deri; Faiq



Measurements	
Bx1	
Max	20.7 °C
Bx2	
Max	20.6 °C
Dt1	
Bx1.Max-Bx2.Max	0.1 °C



Grade Level	0
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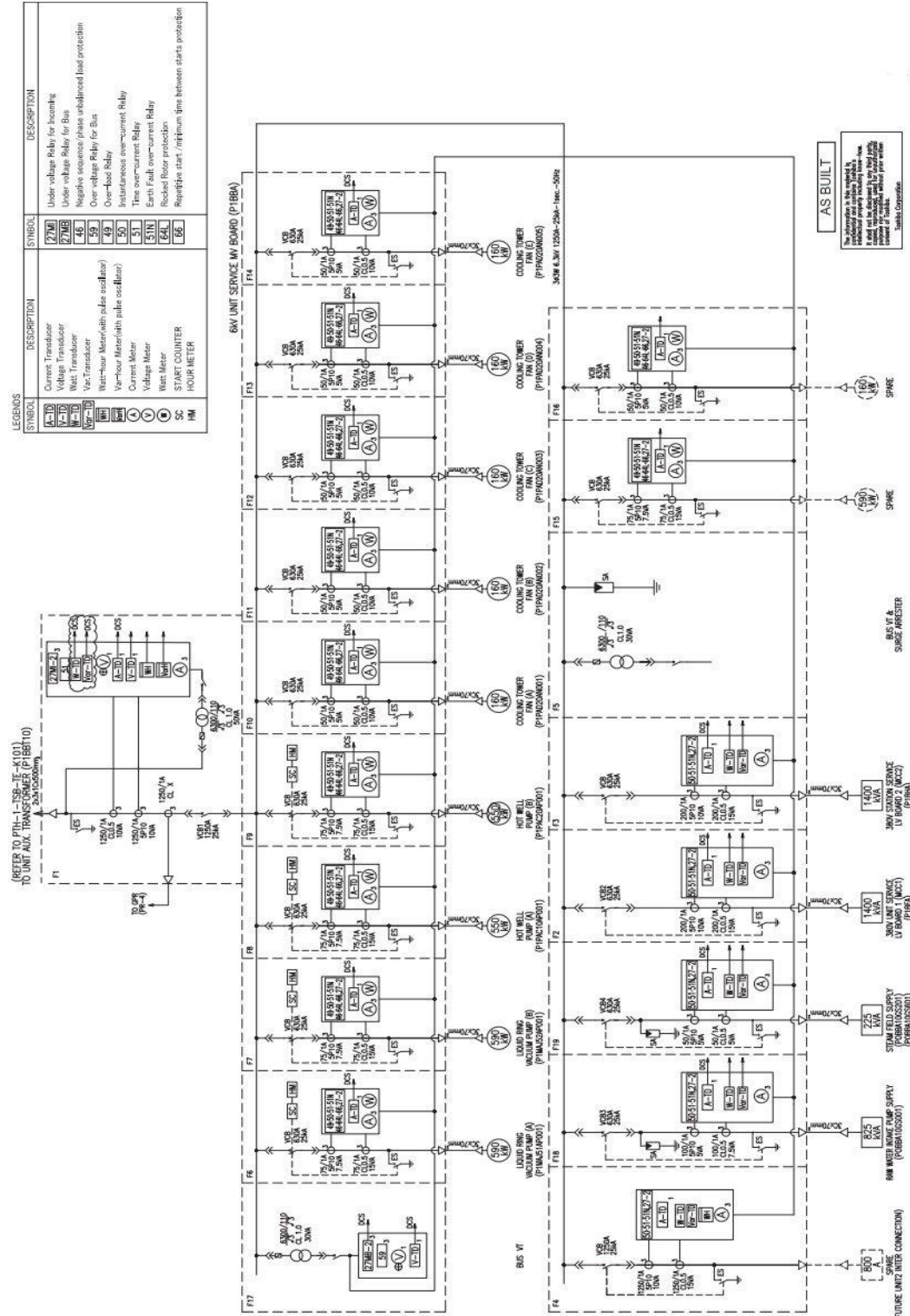
Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

Lampiran D Single Line Diagram (SLD) Sistem Transmisi MV Switchgear 6.3 Kv

Kv



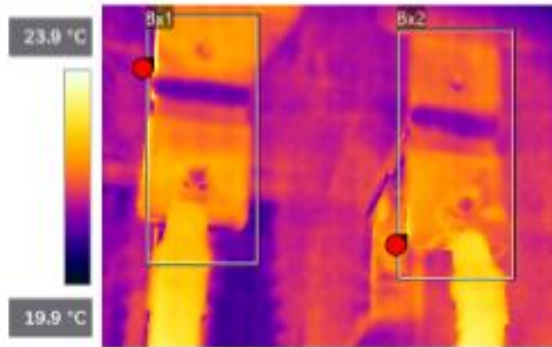
Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-1 Phase R-S



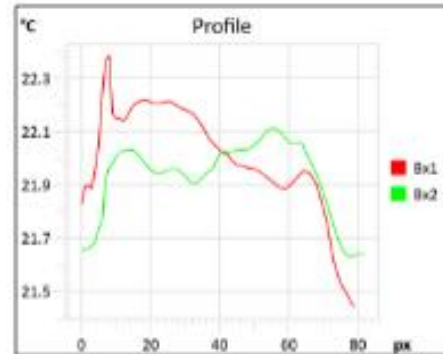
Thermography Inspection Report

Remarks	
Location: UMVB	Power Plant UMVB HWP A (F8) Connection R-S

Date of Inspection	: 7 Maret 2023
Inspected By	: Deri, Faig, Andika



Measurements	
Bx1	
Max	23.6 °C
Bx2	
Max	23.3 °C
Dt1	
Bx1.Max-Bx2.Max	0.4 °C



Grade Level	0
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Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-1 Phase S-T



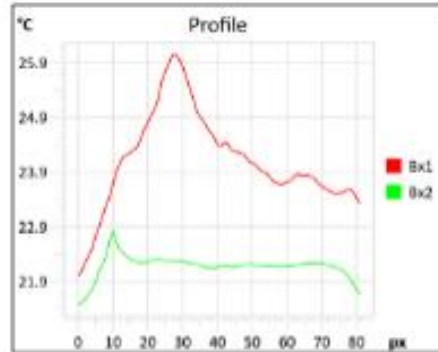
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection S-T

Date of Inspection	: 7 Maret 2023
Inspected By	: Deri, Faig, Andika



Measurements	
Bx1	
Max	33.3 °C
Bx2	
Max	24.1 °C
Dt1	
Bx1.Max-Bx2.Max	11.2 °C



Grade Level Grade 1

Analysis & Recommended Action

Monitor Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

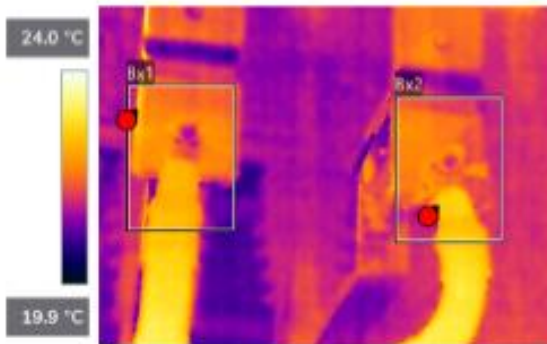
Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-2 Phase R-S



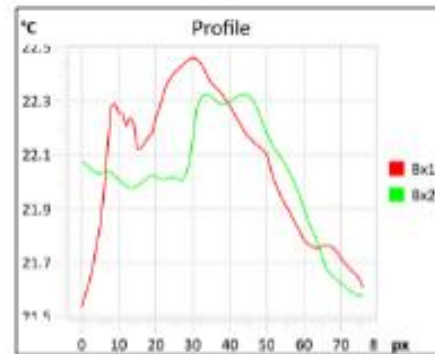
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection R : S

Date of Inspection	: 14 Maret 2023
Inspected By	: Deri, Faig, Andika



Measurements	
Bx1	
Max	23.3 °C
Bx2	
Max	23.1 °C
Dt1	
Bx1.Max-Bx2.Max	0.2 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

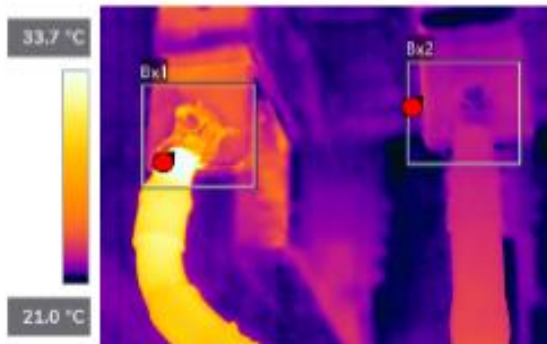
Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-2 Phase S-T



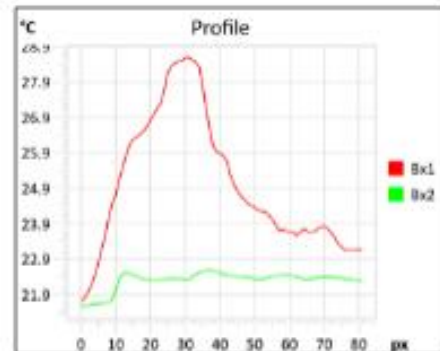
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection S - T

Date of Inspection	: 14 Maret 2023
Inspected By	: Deri, Faiq, Andika



Measurements	
Bx1	
Max	35.4 °C
Bx2	
Max	23.3 °C
Dt1	
Bx1.Max-Bx2.Max	12.1 °C



Grade Level	Grade 1
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Analysis & Recommended Action

Monitoring Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

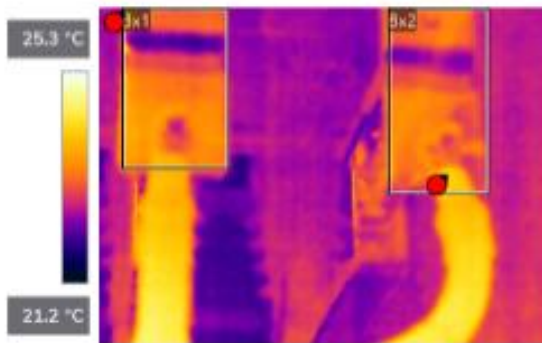
Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-3 Phase R-S



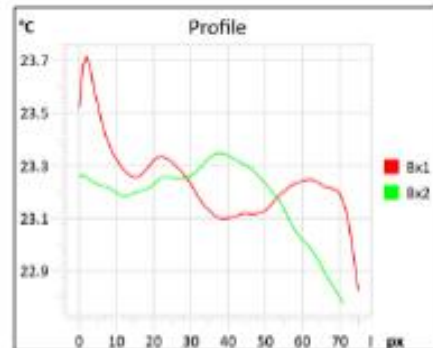
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection R : S

Date of Inspection	: 20 Maret 2023
Inspected By	: Deri, Faiq, Andika



Measurements	
Bx1	
Max	24.6 °C
Bx2	
Max	24.2 °C
Dt1	
Bx1.Max-Bx2.Max	0.5 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

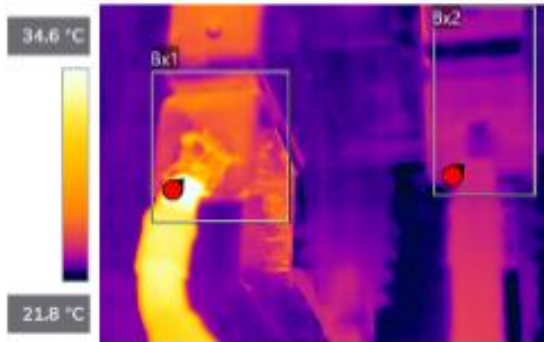
Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-3 Phase S-T



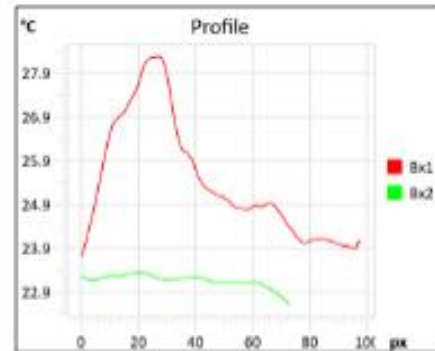
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection S- T

Date of Inspection	: 20 Maret 2023
Inspected By	: Deri, Faig, Andika



Measurements	
Bx1	
Max	36.1 °C
Bx2	
Max	23.8 °C
Diff	
Bx1.Max-Bx2.Max	12.3 °C



Grade Level	1
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Analysis & Recommended Action

Monitoring Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

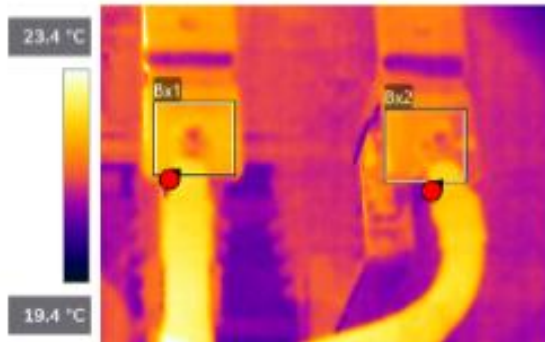
Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-4 Phase R-S



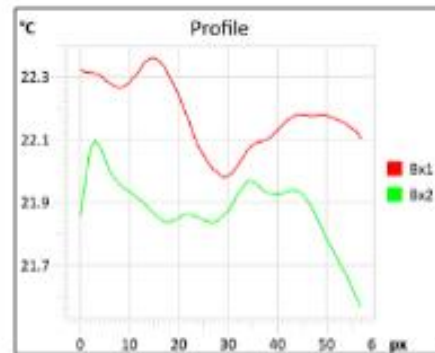
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection R-S

Date of Inspection	: 28 Maret 2023
Inspected By	: Deri, Faiq, Andika
Magang	



Measurements	
Bx1	
Max	22.6 °C
Bx2	
Max	22.5 °C
Dt1	
Bx1.Max-Bx2.Max	0.1 °C



Grade Level **0**

Analysis & Recommended Action

Normal Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C

Lampiran E Hasil Pengujian *Thermography* UMVB HWP A (F8) Maret Minggu ke-4 Phase S-T



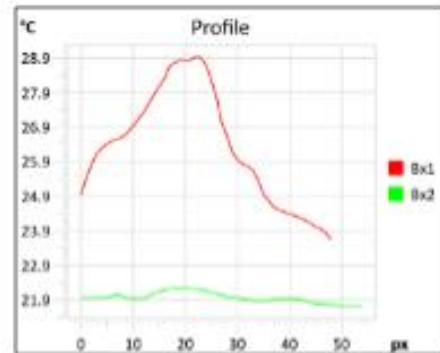
Thermography Inspection Report

Remarks	
Location	Power Plant
UMVB	UMVB HWP A (F8) Connection S-T

Date of Inspection	: 28 Maret 2023
Inspected By	: Deri, Faig, Andika
Magang	



Measurements	
Bx1	
Max	34.8 °C
Bx2	
Max	22.5 °C
Dt1	
Bx1.Max-Bx2.Max	12.3 °C



Grade Level	1
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Analysis & Recommended Action

Monitoring Condition

Grade 0	Grade 1	Grade 2	Grade 3
Normal < 10°C	10°C < Monitor < 30°C	30°C < Significant < 50°	Unacceptable > 50°C