



## RTHD Series® Helical Rotary Liquid chiller

### I. Equipment Desing Specification:

|                                  |          |               |           |                |             |               |  |
|----------------------------------|----------|---------------|-----------|----------------|-------------|---------------|--|
| <b>JOB NAME:</b> MAHIDOL LIBRARY |          | <b>MODEL:</b> |           | <b>SERIAL:</b> |             | <b>TAG #:</b> |  |
| LOCATION: SALAYA                 |          | RTHDC1E1F1    |           | U08G00124      |             | 2             |  |
| <b>NAMEPLATE:</b>                | VOLTS    | RAL           | HERZ      |                |             |               |  |
|                                  | 380      | 221.3         | 50        |                |             |               |  |
| <b>DESIGN:</b>                   | VOLTS    | RAL           | HERZ      | SKW            | TONS        |               |  |
|                                  | 380      | 221.3         | 50        |                | 200         |               |  |
| <b>EVAPORATOR:</b>               | EWT F(C) | LWT F(C)      | TEMP DIFF | PD FT(BAR)     | PD PSI(KPA) | GPM(LPS)      |  |
|                                  | 55       | 45            | 10        | 7.4            | 3.2         | 477.8         |  |
| <b>CONDENSER:</b>                | EWT F(C) | LWT F(C)      | TEMP DIFF | PD FT(BAR)     | PD PSI(KPA) | GPM(LPS)      |  |
|                                  | 90       | 99.5          | 9.5       | 6.5            | 2.5         | 600           |  |

### II. Main Screen:

|                               |              |               |          |           |  |           |  |  |          |         |  |
|-------------------------------|--------------|---------------|----------|-----------|--|-----------|--|--|----------|---------|--|
|                               |              | 11:30 AM / PM |          |           |  | AM / PM   |  |  |          | AM / PM |  |
|                               |              | 1 READING     |          | 2 READING |  | 3 READING |  |  |          |         |  |
| Chiller Mode                  | Reminis      |               |          |           |  |           |  |  |          |         |  |
| Evap Ent / Lvg water temp     | 132.7 / 44.8 |               | Deg F(C) |           |  | Deg F(C)  |  |  | Deg F(C) |         |  |
| Cond Ent / Lvg water temp     | 23.5 / 91.1  |               | Deg F(C) |           |  | Deg F(C)  |  |  | Deg F(C) |         |  |
| Active chilled Water Setpoint | 45           |               | Deg F(C) |           |  | Deg F(C)  |  |  | Deg F(C) |         |  |
| Average Line Current          | 67%          |               | %RLA     |           |  | %RLA      |  |  | %RLA     |         |  |
| Active Current Limit Setpoint | 100%         |               | %RLA     |           |  | %RLA      |  |  | %RLA     |         |  |
| Purge Mode                    |              |               |          |           |  |           |  |  |          |         |  |
| Approx Chiller Capacity(Opt)  |              |               | Tons     |           |  | Tons      |  |  | Tons     |         |  |
| Software Version              |              |               |          |           |  |           |  |  |          |         |  |

### III. Evaporator Report:

|                                    |       |           |           |           |  |           |  |  |           |         |  |
|------------------------------------|-------|-----------|-----------|-----------|--|-----------|--|--|-----------|---------|--|
|                                    |       | AM / PM   |           |           |  | AM / PM   |  |  |           | AM / PM |  |
|                                    |       | 1 READING |           | 2 READING |  | 3 READING |  |  |           |         |  |
| Evap Entering Water Temp           | 132.7 |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Evap Leaving Water Temp            | 45.0  |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Evap Sat Rfght Temp                | 42    |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Evap Sat Rfght Pressure            | 37.8  |           | Psia(Kpa) |           |  | Psia(Kpa) |  |  | Psia(Kpa) |         |  |
| Evap Approach Temp                 | 2.2   |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Evap Water Flow Switch Status      | Flow  |           |           |           |  |           |  |  |           |         |  |
| Evap Differential Water Press(Opt) | -     |           | Psid(Kpa) |           |  | Psid(Kpa) |  |  | Psid(Kpa) |         |  |
| Approx Evap Water Flow(Opt)        | -     |           | Gpm(Lps)  |           |  | Gpm(Lps)  |  |  | Gpm(Lps)  |         |  |
| Appox Chiller Capacity(Opt)        | -     |           | Tons      |           |  | Tons      |  |  | Tons      |         |  |

### IV. Condenser Report:

|                                    |       |           |           |           |  |           |  |  |           |         |  |
|------------------------------------|-------|-----------|-----------|-----------|--|-----------|--|--|-----------|---------|--|
|                                    |       | AM / PM   |           |           |  | AM / PM   |  |  |           | AM / PM |  |
|                                    |       | 1 READING |           | 2 READING |  | 3 READING |  |  |           |         |  |
| Cond Entering Water Temp           | 85.3  |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Cond Leaving Water Temp            | 90.4  |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Cond Sat Rfght Temp                | 100.5 |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Cond Sat Rfght Pressure            | 125.5 |           | Psia(Kpa) |           |  | Psia(Kpa) |  |  | Psia(Kpa) |         |  |
| Cond Approach Temp                 | 9.6   |           | Deg F(C)  |           |  | Deg F(C)  |  |  | Deg F(C)  |         |  |
| Cond Water Flow Switch Status      | Flow  |           |           |           |  |           |  |  |           |         |  |
| Cond Differential Water Press(Opt) | -     |           | Psid(Kpa) |           |  | Psid(Kpa) |  |  | Psid(Kpa) |         |  |
| Approx Cond Water Flow(Opt)        | ✓     |           | Gpm(Lps)  |           |  | Gpm(Lps)  |  |  | Gpm(Lps)  |         |  |

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### I. Equipment Desing Specification:

|                                  |          |               |           |                |             |               |
|----------------------------------|----------|---------------|-----------|----------------|-------------|---------------|
| <b>JOB NAME:</b> MAHIDOL LIBRARY |          | <b>MODEL:</b> |           | <b>SERIAL:</b> |             | <b>TAG #:</b> |
| LOCATION: SALAYA                 |          | RTHDC1E1F1    |           | U08G00124      |             | 2             |
| <b>NAMEPLATE:</b>                | VOLTS    | RAL           | HERZ      |                |             |               |
|                                  | 380      | 221.3         | 50        |                |             |               |
| <b>DESIGN:</b>                   | VOLTS    | RAL           | HERZ      | SKW            | TONS        |               |
|                                  | 380      | 221.3         | 50        |                | 200         |               |
| <b>EVAPORATOR:</b>               | EWT F(C) | LWT F(C)      | TEMP DIFF | PD FT(BAR)     | PD PSI(KPA) | GPM(LPS)      |
|                                  | 55       | 45            | 10        | 7.4            | 3.2         | 477.8         |
| <b>CONDENSER:</b>                | EWT F(C) | LWT F(C)      | TEMP DIFF | PD FT(BAR)     | PD PSI(KPA) | GPM(LPS)      |
|                                  | 90       | 99.5          | 9.5       | 6.5            | 2.5         | 600           |

|                                |          |       |           |           |
|--------------------------------|----------|-------|-----------|-----------|
| Compressor Running Time        | 12101    |       |           |           |
| System Rfght Diff Pressure     | 86.7     | Psig  | Psig      | Psig      |
| Oil Pressure                   | 118.8    | Psig  | Psig      | Psig      |
| Compressor Rfght Dischart Temp | 131.6    | Psig  | Psig      | Psig      |
| Dischart Superheat             | 34       | F°    | F°        | F°        |
| %RLA                           | L1: 67.4 | %RLA  | L1: %RLA  | L1: %RLA  |
|                                | L2: 63.3 | %RLA  | L2: %RLA  | L2: %RLA  |
|                                | L3: 67.0 | %RLA  | L3: %RLA  | L3: %RLA  |
| Amps                           | L1: 146  | %Amps | L1: %Amps | L1: %Amps |
|                                | L2: 142  | %Amps | L2: %Amps | L2: %Amps |
|                                | L3: 144  | %Amps | L3: %Amps | L3: %Amps |
| Volts                          | AB: 403  | Volts | AB: Volts | AB: Volts |
|                                | BC: 400  | Volts | BC: Volts | BC: Volts |
|                                | CA: 404  | Volts | CA: Volts | CA: Volts |

|                                    |                 |                 |                 |
|------------------------------------|-----------------|-----------------|-----------------|
| <b>VI. Additional information:</b> | AM / PM         | AM / PM         | AM / PM         |
|                                    | 1 READING       | 2 READING       | 3 READING       |
| Chiller Water PD:                  | .....Psid/..... | .....Psid/..... | .....Psid/..... |
| Con Water PD:                      | .....Psid/..... | .....Psid/..... | .....Psid/..... |
| Time Report:                       | 1130            |                 |                 |

VII. Comments: .....

Service Technician: *[Signature]* Date: 23/6/01

Owner's Rep: *[Signature]* Date: *[Signature]* 26-6-01

## RTHD Series® Helical Rotary Liquid chiller

### I. Equipment Desing Specification:

|                                  |          |               |           |                |             |               |
|----------------------------------|----------|---------------|-----------|----------------|-------------|---------------|
| <b>JOB NAME:</b> MAHIDOL LIBRARY |          | <b>MODEL:</b> |           | <b>SERIAL:</b> |             | <b>TAG #:</b> |
| LOCATION: SALAYA                 |          | RTHDC1E1F1    |           | U08G00123      |             | 1             |
| <b>NAMEPLATE:</b>                | VOLTS    | RAL           | HERZ      |                |             |               |
|                                  | 380      | 221.3         | 50        |                |             |               |
| <b>DESIGN:</b>                   | VOLTS    | RAL           | HERZ      | SKW            | TONS        |               |
|                                  | 380      | 221.3         | 50        |                | 200         |               |
| <b>EVAPORATOR:</b>               | EWT F(C) | LWT F(C)      | TEMP DIFF | PD FT(BAR)     | PD PSI(KPA) | GPM(LPS)      |
|                                  | 55       | 45            | 10        | 7.4            | 3.2         | 477.8         |
| <b>CONDENSER:</b>                | EWT F(C) | LWT F(C)      | TEMP DIFF | PD FT(BAR)     | PD PSI(KPA) | GPM(LPS)      |
|                                  | 90       | 99.5          | 9.5       | 6.5            | 2.5         | 600           |

### II. Main Screen:

|                               | : : AM / PM | : : AM / PM | : : AM / PM |
|-------------------------------|-------------|-------------|-------------|
|                               | 1 READING   | 2 READING   | 3 READING   |
| Chiller Mode                  |             |             |             |
| Evap Ent / Lvg water temp     | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Cond Ent / Lvg water temp     | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Active chilled Water Setpoint | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Average Line Current          | %RLA        | %RLA        | %RLA        |
| Active Current Limit Setpoint | %RLA        | %RLA        | %RLA        |
| Purge Mode                    |             |             |             |
| Approx Chiller Capacity(Opt)  | Tons        | Tons        | Tons        |
| Software Version              |             |             |             |

### III. Evaporator Report:

|                                    | : : AM / PM | : : AM / PM | : : AM / PM |
|------------------------------------|-------------|-------------|-------------|
|                                    | 1 READING   | 2 READING   | 3 READING   |
| Evap Entering Water Temp           | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Evap Leaving Water Temp            | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Evap Sat Rfght Temp                | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Evap Sat Rfght Pressure            | Psia(Kpa)   | Psia(Kpa)   | Psia(Kpa)   |
| Evap Approach Temp                 | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Evap Water Flow Switch Status      |             |             |             |
| Evap Differential Water Press(Opt) | Psid(Kpa)   | Psid(Kpa)   | Psid(Kpa)   |
| Approx Evap Water Flow(Opt)        | Gpm(Lps)    | Gpm(Lps)    | Gpm(Lps)    |
| Appox Chiller Capacity(Opt)        | Tons        | Tons        | Tons        |

### IV. Condenser Report:

|                                   | : : AM / PM | : : AM / PM | : : AM / PM |
|-----------------------------------|-------------|-------------|-------------|
|                                   | 1 READING   | 2 READING   | 3 READING   |
| Cond Entering Water Temp          | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Cond Leaving Water Temp           | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Cond Sat Rfght Temp               | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Cond Sat Rfght Pressure           | Psia(Kpa)   | Psia(Kpa)   | Psia(Kpa)   |
| Cond Approach Temp                | Deg F(C)    | Deg F(C)    | Deg F(C)    |
| Cond Water Flow Switch Status     |             |             |             |
| Cond Differntial Water Press(Opt) | Psid(Kpa)   | Psid(Kpa)   | Psid(Kpa)   |
| Approx Cond Water Flow(Opt)       | Gpm(Lps)    | Gpm(Lps)    | Gpm(Lps)    |

## RTHD Series® Helical Rotary Liquid chiller

**I. Equipment Desing Specification:**

|                                  |               |                |               |
|----------------------------------|---------------|----------------|---------------|
| <b>JOB NAME:</b> MAHIDOL LIBRARY | <b>MODEL:</b> | <b>SERIAL:</b> | <b>TAG #:</b> |
| <b>LOCATION:</b> SALAYA          | RTHDC1E1F1    | U08G00123      | 1             |

|                    |          |          |           |            |             |          |
|--------------------|----------|----------|-----------|------------|-------------|----------|
| <b>NAMEPLATE:</b>  | VOLTS    | RAL      | HERZ      |            |             |          |
|                    | 380      | 221.3    | 50        |            |             |          |
| <b>DESIGN:</b>     | VOLTS    | RAL      | HERZ      | SKW        | TONS        |          |
|                    | 380      | 221.3    | 50        |            | 200         |          |
| <b>EVAPORATOR:</b> | EWT F(C) | LWT F(C) | TEMP DIFF | PD FT(BAR) | PD PSI(KPA) | GPM(LPS) |
|                    | 55       | 45       | 10        | 7.4        | 3.2         | 477.8    |
| <b>CONDENSER:</b>  | EWT F(C) | LWT F(C) | TEMP DIFF | PD FT(BAR) | PD PSI(KPA) | GPM(LPS) |
|                    | 90       | 99.5     | 9.5       | 6.5        | 2.5         | 600      |

|                                |               |               |               |               |
|--------------------------------|---------------|---------------|---------------|---------------|
| Compressor Running Time        | .....         | .....         | .....         | .....         |
| System Rfght Diff Pressure     | ..... Psig    | ..... Psig    | ..... Psig    | ..... Psig    |
| Oil Pressure                   | ..... Psig    | ..... Psig    | ..... Psig    | ..... Psig    |
| Compressor Rfght Dischart Temp | ..... Psig    | ..... Psig    | ..... Psig    | ..... Psig    |
| Dischart Superheat             | ..... F°      | ..... F°      | ..... F°      | ..... F°      |
| %RLA                           | L1..... %RLA  | L1..... %RLA  | L1..... %RLA  | L1..... %RLA  |
|                                | L2..... %RLA  | L2..... %RLA  | L2..... %RLA  | L2..... %RLA  |
|                                | L3..... %RLA  | L3..... %RLA  | L3..... %RLA  | L3..... %RLA  |
| Amps                           | L1..... %Amps | L1..... %Amps | L1..... %Amps | L1..... %Amps |
|                                | L2..... %Amps | L2..... %Amps | L2..... %Amps | L2..... %Amps |
|                                | L3..... %Amps | L3..... %Amps | L3..... %Amps | L3..... %Amps |
| Volts                          | AB..... Volts | AB..... Volts | AB..... Volts | AB..... Volts |
|                                | BC..... Volts | BC..... Volts | BC..... Volts | BC..... Volts |
|                                | CA..... Volts | CA..... Volts | CA..... Volts | CA..... Volts |

**VI. Additional information:** ..... : ..... AM / PM ..... : ..... AM / PM ..... : ..... AM / PM

| 1 READING | 2 READING | 3 READING |
|-----------|-----------|-----------|
|-----------|-----------|-----------|

|                   |                  |                  |
|-------------------|------------------|------------------|
| Chiller Water PD: | ..... Psid/..... | ..... Psid/..... |
| Con Water PD:     | ..... Psid/..... | ..... Psid/..... |
| Time Report:      | .....            | .....            |

**VII. Comments:** .....

.....

.....

.....

Service Technician: *[Signature]* Date: *23/6/01*

*chiller 1* *675909*

Owner's Rep: *[Signature]* Date: *26-6-01*

**รายงานการบำรุงรักษาเครื่องส่งลมเย็น**

ห้างหุ้นส่วนจำกัด เมคคานิคัลเอ็นจิเนียริง เซอร์วิส

MECHANICAL ENGINE RING SERVICE LIMITED PARINE

แผนกบริการ TEL.029686400#800-1

Customer Name หอสมุด ม.มหิดลศลาษา Address ศาลาษา นครปฐม

Date of Inspection Inspected By MESS

Inspection No. 3

Guarantee  Service Contract

| หมายเลขเครื่อง | สถานที่ใช้งาน        | แรงดันและกระแสไฟฟ้าขณะใช้งาน |      |         | อุณหภูมิ F° |         | หมายเหตุ |       |        |            |
|----------------|----------------------|------------------------------|------|---------|-------------|---------|----------|-------|--------|------------|
|                |                      | Volt/Ph/Hz                   | Fla. | AmpsØ 1 | AmpsØ 2     | AmpsØ 3 |          | ลมส่ง | ลมกลับ | ห้อง       |
| AHU-1A         | หอสมุดชั้น 1         | 380/3/50                     | -    | 6.7     | 6.9         | 6.7     | 17       | 24    | 24     |            |
| AHU-1B         | หอสมุดชั้น 1         | 380/3/50                     | -    | 6.8     | 6.6         | 6.9     | 17       | 24    | 24     |            |
| AHU-2A         | หอสมุดชั้น 2         | 380/3/50                     | -    | 9.1     | 9.2         | 9.1     | 17       | 24    | 24     |            |
| AHU-2B         | หอสมุดชั้น 2         | 380/3/50                     | -    | -       | -           | -       | 17       | 24    | 24     | รอซ่อมแอร์ |
| AHU-3A         | หอสมุดชั้น 3         | 380/3/50                     | -    | 9.1     | 9.5         | 9.3     | 17       | 24    | 24     |            |
| AHU-3B         | หอสมุดชั้น 3         | 380/3/50                     | -    | 9.2     | 9.1         | 9.2     | 17       | 24    | 24     |            |
| AHU-F          | ห้อง AHU ทั้ง 3 ชั้น | 380/3/50                     |      | 4.1     | 4.2         | 4.1     | 19.      | 81    | 24     |            |

**WORK CARRIED OUT**

- A- ทำความสะอาดแผงกรองอากาศ
- B- ทำความสะอาดแผงคอยล์และใบพัดส่งลมเย็น
- C- ทำความสะอาดถาดน้ำทิ้ง
- D- ตรวจสอบตู้สายพานและอีจาร์บี
- E- ตรวจสอบการทำงานระบบควบคุม
- F- ตรวจสอบจุดต่อสายไฟฟ้าและหน้าคอนแทค
- G- ทำความสะอาดตัวเครื่องและบริเวณโดยรอบ

**INSPECTOR RECCOMMENDATION**

Customer Comments

Signed \_\_\_\_\_  
 Service Mgr. comments \_\_\_\_\_  
 Signed *[Signature]* 23/6/61

Signed \_\_\_\_\_  
 Date. 15/6/61

Signed \_\_\_\_\_  
 Date. 26-6-61

# PUMP MAINTENANCE REPORT

ห้างหุ้นส่วนจำกัด เมคคาเนียลอินจิเนียริ่ง เซอร์วิส

MECHANICAL ENGINE RING SERVICE LIMITED PARINE

แผนกบริการ TEL.029686400#800-1

Customer Name หจก. ม.ม. วิศวกรรมศาสตร์ Address ศาลายา นครปฐม

Date of Inspection \_\_\_\_\_ Inspected By \_\_\_\_\_ MES

Inspection No. 3

Guarantee  Service Contract

| Ref.No | Unit Mod.  | Ser.No | Trade Name | Function | Volt/Ph/Hz | Fla/Ltra | Reading Amp |      |      | Meg-Result |     |
|--------|------------|--------|------------|----------|------------|----------|-------------|------|------|------------|-----|
|        |            |        |            |          |            |          | Ph1         | Ph2  | Ph3  | OK         | NOT |
| CHP-1  | M2QA200L4A | 57005  | CHP        | ABB      | 380/3/50   |          | 36.9        | 38.1 | 37.1 | ✓          |     |
| CHP-2  | N2QA200L4A | 57010  | CHP        | ABB      | 380/3/50   |          | 36.4        | 36.5 | 37.8 | ✓          |     |
| CDP-1  | A2QA180M4A | 11009  | CDP        | ABB      | 380/3/50   |          | 18.4        | 19.4 | 19.2 | ✓          |     |
| CDP-2  | A2QA180M4A | 11003  | CDP        | ABB      | 380/3/50   |          | 29.8        | 29.6 | 29.9 | ✓          |     |

**WORK CARRIED OUT**

- Flow switch operation
- Greasing
- Suction strainer cleaning
- Drain line cleaning
- Shaft seal (Gland-Packing) adjust
- Alignment adjust
- Bolt-nut Tightening

Customer Comments \_\_\_\_\_

**INSPECTOR RECCOMENDATION**

*ไม่มีข้อบกพร่อง.*

Signed \_\_\_\_\_  
 Service Mgr. comments *OK 23/6/67*

Signed \_\_\_\_\_

Date. 15/6/67

Signed \_\_\_\_\_

Date. 26-6-67

# COOLING TOWER MAINTENANCE REPORT

ห้างหุ้นส่วนจำกัด เมคคานิคัลเซ็นจูรี่ เซอร์วิส

MECHANICAL ENGINE RING SERVICE LIMITED PARINE

แผนกบริการ TEL.029686400#800-1

Customer Name หอดสมุทร มหัทธผลศาลาษา Address ศาลาษา นครปฐม

Date of inspection \_\_\_\_\_ Inspected By MES

Inspection No. 3

Guarantee  Service Coairact

### OPERATION DATA

| Ref.No | Unit Mod.   | Trade Name | Volt/Ph/Hz | Fla/Lra | Reading Amp |     |     | Intel Temp<br>F° | Outlet Temp<br>F° | Meg-Result |     |
|--------|-------------|------------|------------|---------|-------------|-----|-----|------------------|-------------------|------------|-----|
|        |             |            |            |         | Ph1         | Ph2 | Ph3 |                  |                   | OK         | NOT |
| CT-1   | SCD-U175BYS | EBARA      | 380/3/50   |         | 9.1         | 8.1 | 9.1 | 31               | 36                | OK         | ✓   |
| CT-2   | SCD-U175BYS | EBARA      | 380/3/50   |         | 9.1         | 8.1 | 8.1 | 31               | 36                | OK         | ✓   |

### UNIT CONDITION

| Ref.No | Tower sump |       | Make Up Water Valve | Drain | Over Flow |     | Fitter |       | Sprinkle Rev. |     | Noise Level |     |
|--------|------------|-------|---------------------|-------|-----------|-----|--------|-------|---------------|-----|-------------|-----|
|        | Clean      | Dirty |                     |       | OK        | NOT | Clean  | Dirty | OK            | NOT | OK          | NOT |
| CT-1   | ✓          |       | OK                  | ✓     | ✓         |     | ✓      |       | OK            | ✓   | OK          | ✓   |
| CT-2   | ✓          |       | OK                  | ✓     | ✓         |     | ✓      |       | OK            | ✓   | OK          | ✓   |

Inspector Recommendation \_\_\_\_\_

Customer Comments \_\_\_\_\_

Signed \_\_\_\_\_

Service Mgr. comments \_\_\_\_\_

Signed \_\_\_\_\_

Signed \_\_\_\_\_

Date. 15/5/22

Date. 16-6-61

# BOOSTER PUMP MAINTENANCE REPORT

ช่างหุ้นส่วนจำกัด เมคคานิคัลเอ็นจิเนียริ่ง เซอร์วิซ

MECHANICAL ENGINE RING SERVICE LIMITED PARINE

แผนกบริการ TEL.029686400#800-1

Customer Name หอดสมุทร ม.มหิตลศลาธา Address ศาลาชา นตรปฐม

Date of inspection \_\_\_\_\_ Inspected By \_\_\_\_\_ MES \_\_\_\_\_

Inspection No. 3

Guarantee  Service Contract

| Ref.No | Unit Mod.  | Ser.No | Trade Name   | Function | Volt/Ph/Hz | Fla/Lra | Reading Amp |     |     | Meg-Result |     |
|--------|------------|--------|--------------|----------|------------|---------|-------------|-----|-----|------------|-----|
|        |            |        |              |          |            |         | Ph1         | Ph2 | Ph3 | OK         | NOT |
| B-1    | M2QA112M2A |        | Booster Pump | A/T      | 380/3/50   |         | 5.7         | 5.6 | 5.6 | ✓          |     |
| B-2    | M2QA112M2A |        | Booster Pump | A/T      | 380/3/50   |         | 6.1         | 6.2 | 6.1 | ✓          |     |
|        |            |        |              |          |            |         |             |     |     |            |     |
|        |            |        |              |          |            |         |             |     |     |            |     |

**WORK CARRIED OUT**

- Flow switch operation
- Geasing
- Suction strainer cleaning
- Drain line cleaning
- Shaft seal (Gland-Packing)adjust
- Alignment ajust
- Bolt-nut Tightening

Customer Comments \_\_\_\_\_

**INSPECTOR RECCOMMENDATION**

261 Booster pump ok  
 ๑๓ ธันวาคม ๒๕๖๑

Signed \_\_\_\_\_  
 Service Mgr. comments \_\_\_\_\_  
 ๒๓/๖/๖๑

Signed \_\_\_\_\_

Date. 15/๖/๖๑

Signed \_\_\_\_\_

Date. ๒๖-๖-๖๑



ภาพที่ 1 แสดงการนำแผ่นฟิลเตอร์ของเครื่องปรับอากาศมาล้างทำความสะอาด ชั้น 2



ภาพที่ 2 แสดงการนำแผ่นฟิลเตอร์ของเครื่องปรับอากาศมาล้างทำความสะอาด ชั้น 2



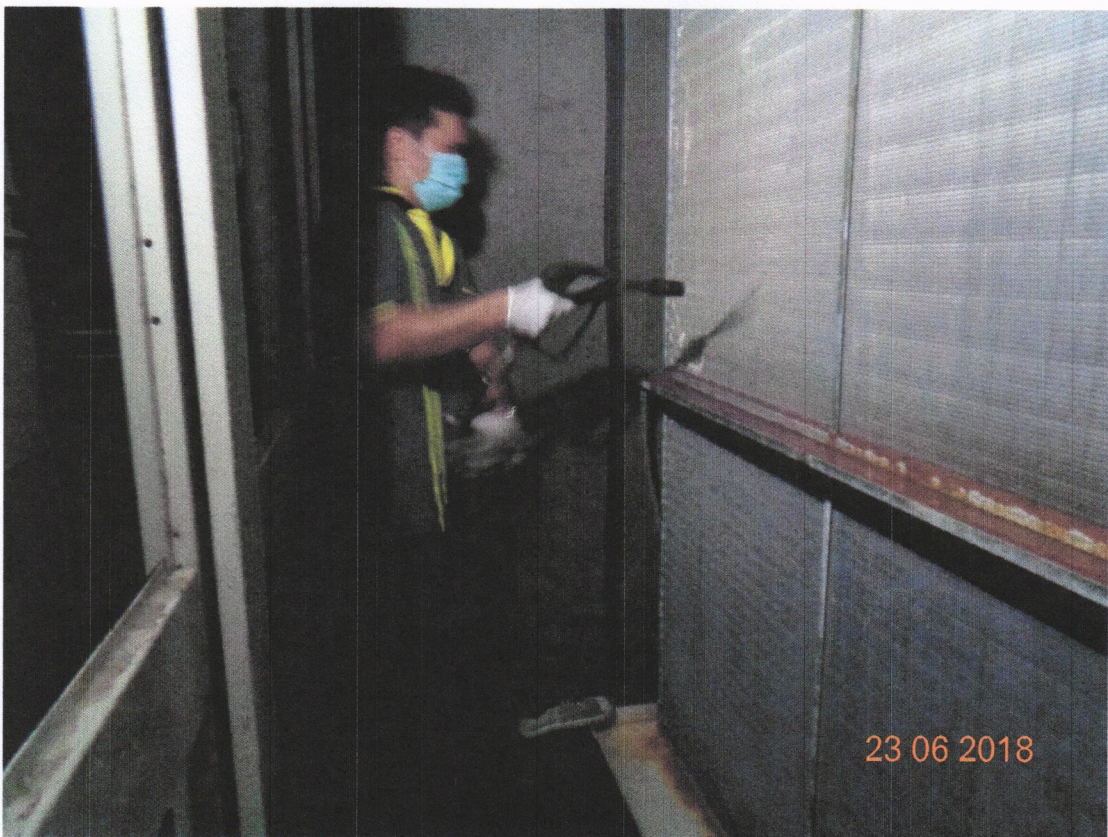
ภาพที่ 3 แสดงการนำแผ่นฟิลเตอร์ของเครื่องปรับอากาศมาล้างทำความสะอาด ชั้น 2



ภาพที่ 4 แสดงการนำแผ่นฟิลเตอร์ของเครื่องปรับอากาศมาล้างทำความสะอาด ชั้น 2



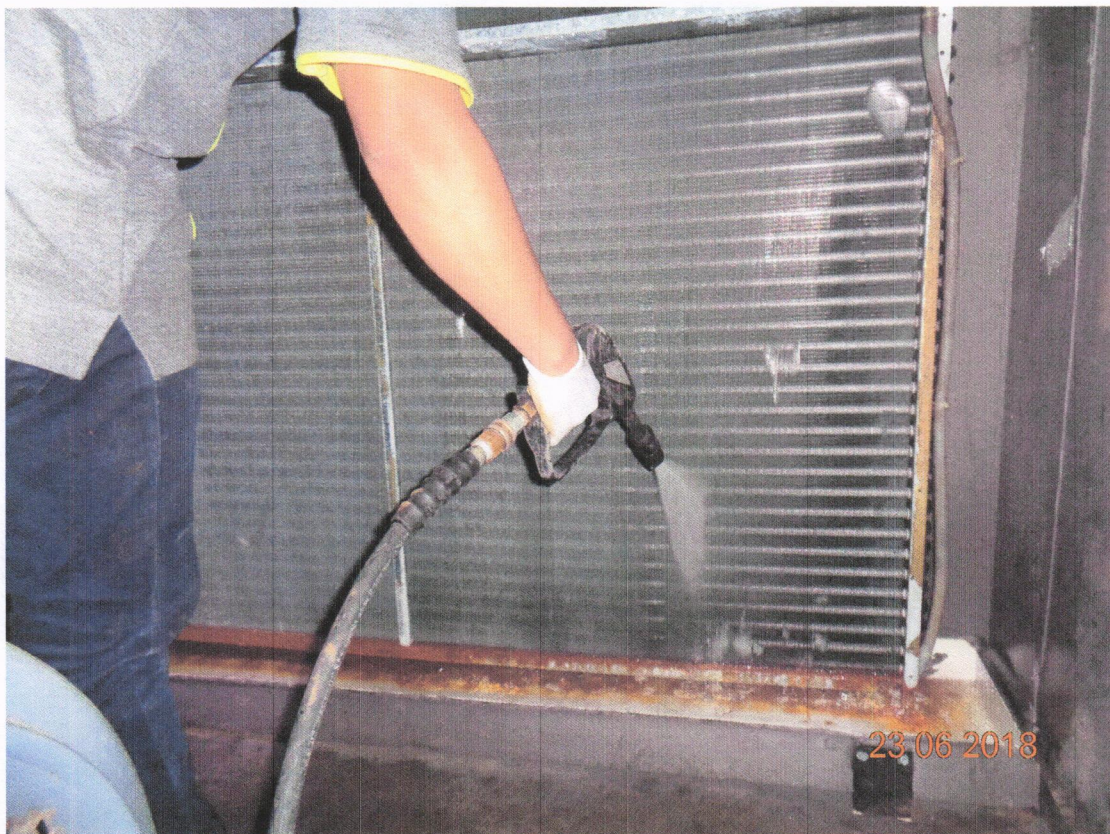
ภาพที่ 5 แสดงการฉีดล้างทำความสะอาด AHU ชั้น 2



ภาพที่ 6 แสดงการฉีดล้างทำความสะอาด AHU ชั้น 2



ภาพที่ 7 แสดงการฉีดล้างทำความสะอาด AHUชั้น 2



ภาพที่ 8 แสดงการฉีดล้างทำความสะอาด AHUชั้น 2



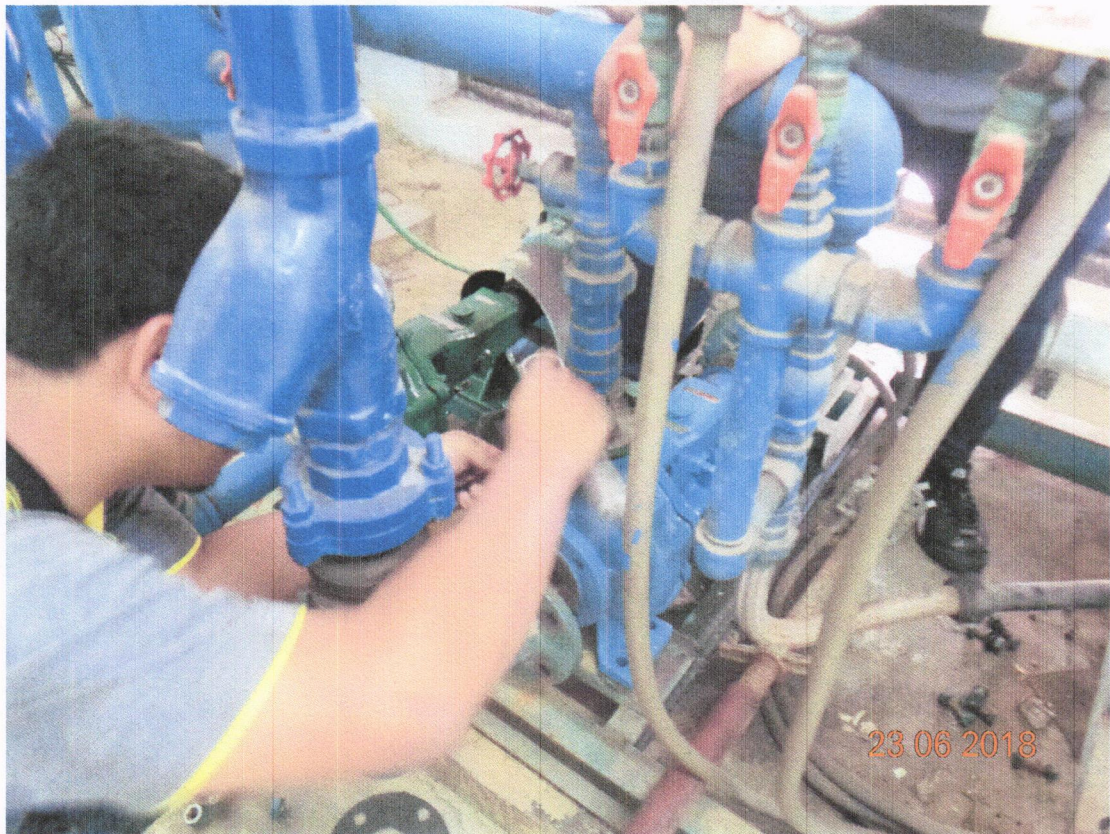
ภาพที่9 แสดงการจดบันทึกค่ากระแสของมอเตอร์



ภาพที่10 แสดงการจดบันทึกค่ากระแสของมอเตอร์



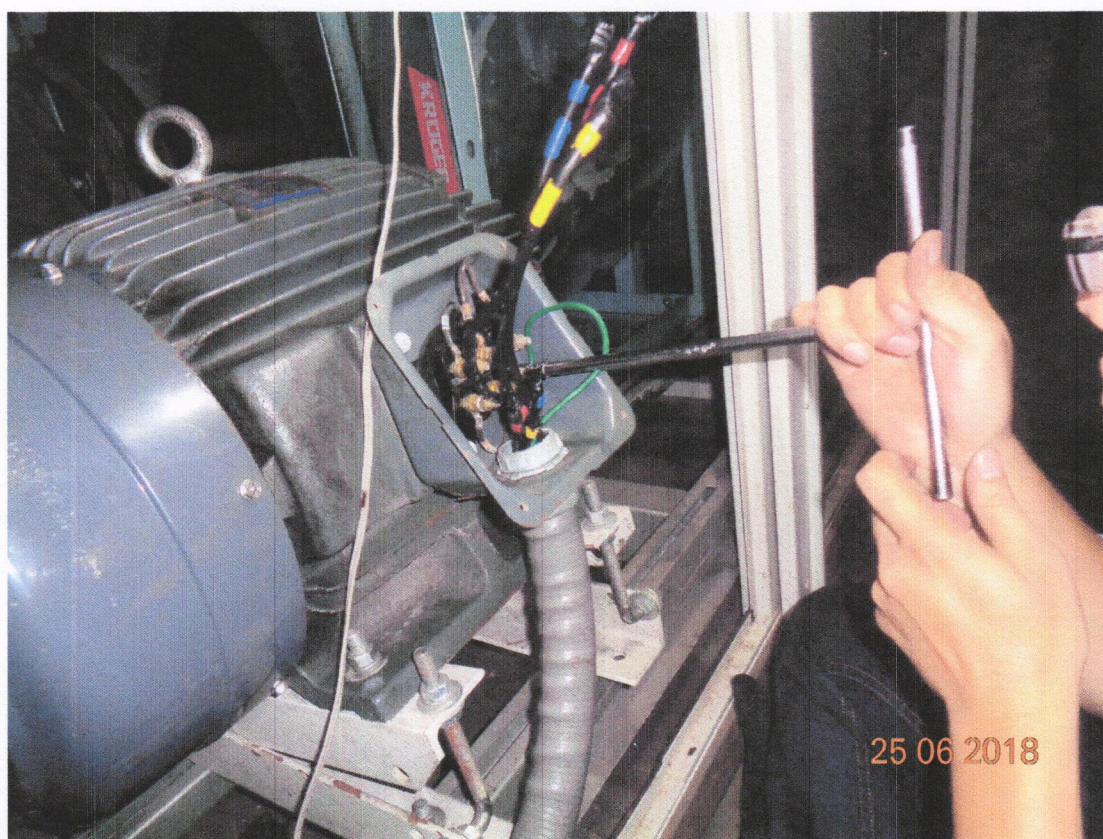
รูปที่ 11 นำ Booster pump ที่ซ่อมกลับมาติดตั้ง



รูปที่ 12 นำ Booster pump ที่ซ่อมกลับมาติดตั้ง



รูปที่ 13 นำมอเตอร์ ของ AHU -2B ที่นำไปซ่อมกลับมาติดตั้งให้ใช้งานได้ตามปกติ



รูปที่ 14 นำมอเตอร์ ของ AHU -2B ที่นำไปซ่อมกลับมาติดตั้งให้ใช้งานได้ตามปกติ



รูปที่ 15 นํามอเตอร์ ของ AHU -2B ที่นำไปซ่อมกลับมาติดตั้งให้ใช้งานได้ตามปกติ