

แผนการซ่อมบำรุงเชิงป้องกัน (Preventive Maintenance) ของโรงงานภายใน
นิคมอุตสาหกรรมเกตเวย์ ซิตี้

บริษัท โดวะ เมทัลเทค (ไทยแลนด์) จำกัด

[illegible][illegible]

บริษัท ฟาลเทค เอสอาร์จี โกลบอล (ประเทศไทย) จำกัด

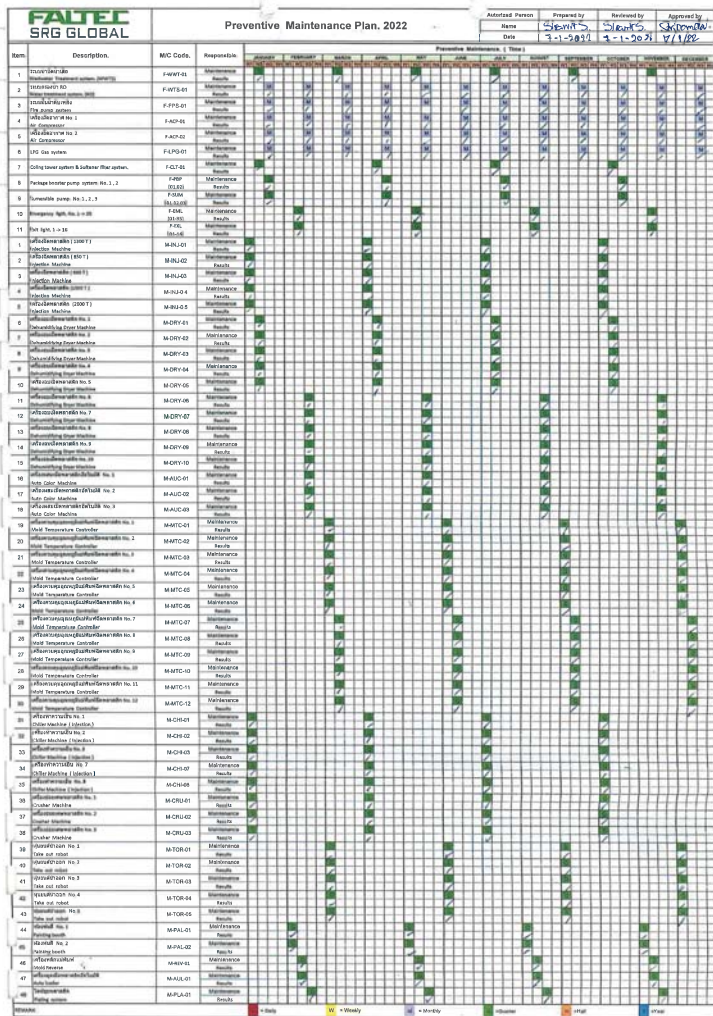
Maintenance Plan 2022 Kev.0

L. Maintenance Plan

1.1.1 Service contract yearly plan

[illegible]

บริษัท โตโยต้า มอเตอร์ ประเทศไทย จำกัด



แก้ไขครั้งที่ 00

| ฝ่าย | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|--------------|------------|-------------|------|-------|-------|------|-------|------|------|------|------|------|------|-------|-------|------|------|
| ฝ่าย | | | | | | | | | | | | | | | | | | | |
| ลำดับ | ชื่อเครื่องจักร / อุปกรณ์ | จำนวนเครื่อง | ความถี่ | เดือน | | | | | | | | | | | | | | | |
| | | | | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | มิ.ย. | ก.ค. | ส.ค. | พ.ย. | ธ.ค. | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | ธ.ค. |
| แผน Preventive Maintenance ประจำปี 2565 | | | | | | | | | | | | | | | | | | | |
| แผน Preventive Maintenance ประจำปี 2565 | | | | | | | | | | | | | | | | | | | |
| 1 | Web Scrubber-Quench | 3 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Motor 30 HP | 1 เครื่อง | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Quench Cabinet | 1 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Gas Cooler | 2 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Setting Chamber | 1 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Motor 30 HP | 1 เครื่อง | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Motor 30 HP | 2 เครื่อง | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Motor 30 HP | 2 เครื่อง | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Motor 30 HP | 2 เครื่อง | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Motor 30 HP | 6 เครื่อง | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Motor 30 HP | 1 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Motor 30 HP | 1 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Motor 30 HP | 1 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ตำแหน่ง : Engineer
ตำแหน่ง : -

แก้ไขครั้งที่ 00

| ฝ่าย..... | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|--------------|------------|------------|------|-------|-------|------|-------|------|------|------|------|------|------|-------|-------|------|------|
| ฝ่าย..... | | | | | | | | | | | | | | | | | | | |
| ลำดับ | ชื่อเครื่องจักร / อุปกรณ์ | จำนวนเครื่อง | ความถี่ | เดือน..... | | | | | | | | | | | | | | | |
| | | | | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | มิ.ย. | ก.ค. | ส.ค. | พ.ย. | ธ.ค. | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | ธ.ค. |
| แผน Preventive Maintenance ประจำปี 2565 | | | | | | | | | | | | | | | | | | | |
| แผน Preventive Maintenance ประจำปี 2565 | | | | | | | | | | | | | | | | | | | |
| 1 | CHARGING HOPPER | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | PRE BREAKER | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | BREAKER | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | CONVEYOR No.1 | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | CONVEYOR No.2 | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | POWDER DISTRIBUTOR No.1 | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | POWDER DISTRIBUTOR No.2 | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | REACTOR | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | RETENTION TANK | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | OXIDE TANK | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | FILTER TANK | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | WASHING TANKS | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | FILTER PRESS 1 | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | FILTER PRESS 2 | 1ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ตำแหน่ง : Engineer
ตำแหน่ง : Production

แก้ไขครั้งที่ 00

| ฝ่าย | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|--------------|------------|-------------|------|-------|-------|------|-------|------|------|------|------|------|------|-------|-------|------|------|
| ฝ่าย | | | | | | | | | | | | | | | | | | | |
| ลำดับ | ชื่อเครื่องจักร / อุปกรณ์ | จำนวนเครื่อง | ความถี่ | เดือน | | | | | | | | | | | | | | | |
| | | | | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | มิ.ย. | ก.ค. | ส.ค. | พ.ย. | ธ.ค. | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | ธ.ค. |
| แผน Preventive Maintenance ประจำปี 2565 | | | | | | | | | | | | | | | | | | | |
| แผน Preventive Maintenance ประจำปี 2565 | | | | | | | | | | | | | | | | | | | |
| 1 | เครื่องจักร 30HP | 3 ชุด | รายสัปดาห์ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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ตำแหน่ง : Engineer
ตำแหน่ง : -

แก้ไขครั้งที่ 00

| ฝ่าย Engineering | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---------------------------|--------------|--------------|------|-------|-------|------|-------|------|------|------|------|------|------|-------|-------|------|-------|------|------|------|------|
| ลำดับ | ชื่อเครื่องจักร / อุปกรณ์ | จำนวนเครื่อง | ปี พ.ศ. | | | | | | | | | | | | | | | | | | | |
| | | | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | มิ.ย. | ก.ค. | ส.ค. | พ.ย. | ธ.ค. | ม.ค. | ก.พ. | มี.ค. | เม.ย. | พ.ค. | มิ.ย. | ก.ค. | ส.ค. | พ.ย. | ธ.ค. |
| 1 | เครื่องปั๊มสุญญากาศ | 1 เครื่อง | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | LINE 50 HP "EUMA BEZT" | 1 เครื่อง | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | LINE 60 HP "HTACHI" | 1 เครื่อง | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | LINE 100 HP "HELIXONG" | 1 เครื่อง | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Sensor Ltd | 1 ชิ้น | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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ตำแหน่ง : Engineer
ตำแหน่ง : Production

| | | | | |
|---------------------|------------------------------------|-------------------------|---------------------|---------------------|
| วันที่ : 01/08/2022 | สถานที่ : 1380 AVZ | ผู้จัดทำเอกสาร : วิศวกร | ผู้ตรวจสอบ : วิศวกร | วันที่ : 01/08/2022 |
| ชื่อ : วิศวกร | ตำแหน่ง : วิศวกร | ชื่อ : วิศวกร | ตำแหน่ง : วิศวกร | ชื่อ : วิศวกร |
| 1 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 1 | 1 | 1 |
| 2 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 2 | 2 | 2 |
| 3 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 3 | 3 | 3 |
| 4 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 4 | 4 | 4 |
| 5 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 5 | 5 | 5 |
| 6 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 6 | 6 | 6 |
| 7 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 7 | 7 | 7 |
| 8 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 8 | 8 | 8 |
| 9 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 9 | 9 | 9 |
| 10 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 10 | 10 | 10 |
| 11 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 11 | 11 | 11 |
| 12 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 12 | 12 | 12 |
| 13 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 13 | 13 | 13 |
| 14 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 14 | 14 | 14 |
| 15 | ตรวจสอบการปฏิบัติงานของเครื่องจักร | 15 | 15 | 15 |

บริษัท อีวาอี แมนูแฟคเจอร์ (ประเทศไทย) จำกัด

| No. | Location | Frequency | Responsibility | Check sheet | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Remark |
|-----|--|-----------|----------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 20 | Monitoring the operation of emergency light | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 21 | Monitoring the operation of emergency eye | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 22 | Monitoring the operation of water disposal | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 23 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 24 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 25 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 26 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 27 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 28 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 29 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 30 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |
| 31 | Monitoring the operation of water (H ₂ O) | Monthly | QC | Check sheet | | | | | | | | | | | | | |

บริษัท ไอวาแพคกิ้ง อินดัสตรี จำกัด



| แผนการซ่อมบำรุงประจำปี | | พื้นที่ใช้งานเครื่องจักร | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | แผนกใบคอมม | | |
|------------------------|---|--------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| ประจำปี | 2565 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | สัญลักษณ์ที่ใช้ ตารางเช็คประจำ 3 เดือน ตารางเช็คประจำ 6 เดือน ตารางเช็คประจำ 1 ปี วันแผนประจำปี ดำเนินการตารางเช็คแล้ว ดำเนินการตรวจเช็คแล้ว ดำเนินการตรวจเช็คแล้ว หมายเหตุ - ทำตามวิธีเครื่องจักร - กำหนดวันและแผนซ่อมให้ก่อน หรือย้อนหลังได้ไม่เกิน 5 วัน | | |
| มกราคม | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| กุมภาพันธ์ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| มีนาคม | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| เมษายน | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| พฤษภาคม | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| มิถุนายน | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| กรกฎาคม | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| สิงหาคม | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| กันยายน | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ตุลาคม | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| พฤศจิกายน | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ธันวาคม | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| รวมเครื่องจักร | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| หมายเหตุ | - ทำตามวิธีเครื่องจักร - กำหนดวันและแผนซ่อมให้ก่อน หรือย้อนหลังได้ไม่เกิน 5 วัน | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ผู้จัดทำ | | ฝ่ายผลิต | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ผู้จัดทำ | | |
| | | Mr. Kan Ming Chioh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ปี 2023 | | |

TSS-MN-003-1

บริษัท จีพี มอเตอร์ (ประเทศไทย) จำกัด

บริษัท ไทเซิงซิน เมทัล อินดัสเตรียล (ประเทศไทย) จำกัด

[illegible][illegible][illegible][illegible]

W. S. V. N. L. 2014

TAMURA CORPORATION (THAILAND) CO., LTD.

<Form No. MTN-Q8-02 (Rev. 001)

TAMURA CORPORATION (THAILAND) CO., LTD.

*Form No. MTN-08-02 (Rev. 03/04)

| S/N | EQUIPMENT | MACHINE | DEPT. | PERIOD | | DATE OF A MONTH | | | | | |
|-----|---|-----------|-------|--------|-------|-----------------|-----|-----|-----|--------|--|
| | | | | CODE | DAILY | MONTHLY | JAN | FEB | MAR | ACTUAL | |
| | NAME | COD NO | CODE | | | | | | | | |
| 008 | Planetary mixer (PLM50) | D1-V1 | VC-A | 0 | 18 | 19 | 15 | 19 | 16 | 16 | |
| 009 | Machiner for Vehicle small volume production | D1-V2 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 007 | Vehicle mixer turn 35L #7 No.1 (Relocation) | D1-V3 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 048 | Chiller unit for vehicle Reactor Tank 35L No.1 | D1-V4 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 049 | Chiller unit for planetary mixer (PLM50)No.1 | D1-V5 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 002 | Transformer | D1-V6 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 011 | Small chamber | D1-V7 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 012 | Trial chamber | D1-V8 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 023 | Exhaust fans for vehicle(twores fan) | D1-V9 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 254 | Chiller unit for vehicle Reactor Tank 35L No.2 | D1-V10 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 059 | Chiller unit for Planetary mixer (PLM50) No.2 | D1-V11 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 025 | Vehicle reactor tank 35L #1 No.2 (Relocation) | FC1-D1-V1 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 007 | Vehicle reactor tank 35L #3 No.3 (Relocation) | FC1-D1-V3 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 056 | Planetary mixer (PLM50)No.2 (Relocation) | FC1-D1-V3 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 059 | Planetary mixer (PLM50) (Relocation) | FC1-D1-V5 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 050 | Chiller unit for vehicle Reactor Tank 35L(Relection) | FC1-D1-C6 | VC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 001 | Bag pack machine for solid powder | D1-1 | SDP-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 042 | Weighing head for solid powder handling | D1-2 | SDP-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 063 | Material stock equipment unit | PD-32 | IPC-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 034 | Dust collector(PD-HUD) | D1-4 | SDP-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 005 | Vacuum pump No.1 (2B-B*Slider Piston Mixing Arm) | D1-5 | SDP-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| 055 | Air compressor No.1solid reactor tank | D1-6 | SDP-A | 0 | 19 | 19 | 15 | 19 | 16 | 16 | |
| | Pyrolytic resin analyzer | PD-31 | IPC-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 058 | Planetary mixer (PLM50)No.1 | D1-8 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 060 | Solder powder inserting machine | D1-9 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| | Planetary mixer (PLM100)No.1 | D1-10 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 071 | Chiller unit for planetary mixer (PLM50L Auto)No.1 | D1-11 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 072 | Chiller unit for planetary mixer (PLM100)No.1 | D1-12 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 073 | Filling machine for syringe | D1-14 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 024 | Vacuum pump No.2 for PLM100L No.1 | D1-15 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 075 | Planetary mixer (PLM150)No.2 | D1-16 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 076 | Chiller unit for planetary mixer (PLM150)No.2 | D1-17 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 077 | Air Dryer No.2 | D1-18 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 078 | Chiller unit for planetary mixer PLM100 No.(LEVEL4) | D1-19 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 079 | Chiller unit for planetary mixer PLM100 No.2(LEVEL4) | D1-20 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 080 | Planetary mixer (PLM150)No.1(Relocation) | FC1-D1-1 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 081 | Planetary mixer (PLM50)No.2 (Relocation) | FC1-D1-2 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 082 | Planetary mixer (PLM50) (Relocation) | FC1-D1-3 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 083 | Planetary mixer (PLM100)No.2(Relocation) | FC1-D1-4 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 084 | Planetary mixer (PLM5)(Relocation) | FC1-D1-5 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 085 | Chiller unit for planetary mixer (PLM150)No.1(Relocation) | FC1-D1-C2 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 086 | Chiller unit for planetary mixer (PLM150)No.2(Relocation) | FC1-D1-C3 | SDP-A | 0 | 24 | 24 | 21 | 24 | 23 | 23 | |
| 087 | | | | | | | | | | | |

PREVENTIVE MAINTENANCE SCHEDULE FOR THE YEAR 2022 (FC2)

PERIOD : JAN FEB MAR

| S/N | EQUIPMENT NAME | MACHINE CODE NO. | DEPT. CODE | PERIOD | | DATE OF A MONTH | | | | | |
|-----|---|---------------------|---------------|--------|---------|-----------------|--------|--------|--------|--------|--------|
| | | | | DAILY | MONTHLY | MONTHLY | | | | | ACTUAL |
| | | | | | | JAN | FEB | MAR | APR | MAY | |
| 001 | Vacuum pump -2 for PLM (Relocation) | FC1-D1-V02 | SDP-A | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 002 | Vacuum pump -3 for PLM (Relocation) | FC1-D1-V03 | SDP-A | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 003 | Vacuum pump -4 for PLM (Relocation) | FC1-D1-V04 | SDP-A | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 004 | Vacuum pump #5 (For Sealing Solder Paste Area)(Relocation) | FC1-D1-V05 | SDP-A | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 005 | Chiller unit for planetary mixer (PLM1500No.1) | FC1-D1-G0 | SDP-A | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 006 | Ex.Proof Agitator With Double Wall Tank Capacity 1000 Lt. With Insulation & Control Box | E1-2 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 007 | Ex.Proof Agitator With Double Wall Tank Capacity 300 Lt. With Insulation & Control Box | E1-1 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 008 | Ex.Proof Agitator with Mixing tank 475Lx2 (Relocation) | FC1-E1-2 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 009 | Ex.Proof Agitator with Mixing tank 360Lx1 (Relocation) | FC1-E1-1 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 100 | Mixing tank 1000L | EP-1 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 101 | Mixing tank 600L and Ex.Proof Agitator | EP-3 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 102 | Ion exchanged water manufacturing machine | EP-3 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 103 | Draft chamber | EP-4 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 104 | Measuring hood | EP-5 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 105 | Sensitizer systems | EP-6 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 106 | Hydraulic lift 1500 Kg | HDL-E1-5 | EL/EP Area | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 107 | Draft chamber for handling solder powder | PD-33 | IPC-A | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 108 | Strapping machine (Relocation) | FC1-ST-STP1 | STORE | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 109 | Auto Strapping Machine | AT-STP2 | STORE | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 110 | Flight elevator 1500 Kg | FE-1500 KG | SDP-A | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 111 | Passenger lift 450 Kg | PL-450 KG | OFFICE | o | 28 | 28 | 25 | 25 | 30 | 30 | |
| 112 | Exhaust fan(Intercooler fan) | D1-7 | SDP-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 113 | Filter | D1-3 | SDP-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 114 | IPA underground tank | E1-6 | EL/EP Area | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 115 | IPA Pump and Hand dispensing | E1-7 | EL/EP Area | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 116 | Air compressor No.1 | PD-26 | SDP-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 117 | Air compressor No.2 | PD-27 | SDP-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 118 | Air tank | PD-35 | SDP-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 119 | Air dryer No.1 | PD-36 | SDP-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 120 | Fire pump | FP-01 | FAC | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 121 | Water booster pump | BTP-01 | FAC | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 122 | Refrigerator (deep sample storage) FR50(Relocation) | FC1-CP/FR5 | STORE | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 123 | Refrigerator (deep sample storage) FR40(Relocation) | FC1-CP/FR4 | STORE | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 124 | Refrigerator (deep sample storage) FR6(New) | SP/FR6 | IPC-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |
| 125 | Refrigerator (deep sample storage) FR7(New) | SP/FR7 | IPC-A | o | 1 → 31 | 1 → 28 | 1 → 28 | 1 → 31 | 1 → 31 | 1 → 31 | |

Note : Solder Paste Section ----- D1

Inspection Area ----- IPC-A

Facility ----- FAC

Solder Paste Area ----- SDP-A

Vehicle Product Section ----- D1-V

POWDER ----- PD

Laboratory ----- LAB

Vehicle Area ----- VC-A

Solder Section ----- E1

Surface Section ----- ES

Solder Area ----- SD-A

Solder Bar ----- SDB

APPROVED BY :

DATE :



PREVENTIVE MAINTENANCE SCHEDULE FOR THE YEAR 2022 (FC2)

PERIOD : APR MAY JUN

| S/N | EQUIPMENT NAME | MACHINE CODE NO. | DEPT. CODE | PERIOD | | DATE OF A MONTH | | | | | |
|-----|--|---------------------|---------------|--------|---------|-----------------|-----|-----|-----|-----|--------|
| | | | | DAILY | MONTHLY | MONTHLY | | | | | ACTUAL |
| | | | | | | APR | MAY | JUN | JUL | AUG | |
| 001 | Machines for powder classification system T-1 | PD-1 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 002 | Atomizer control panel T-1 | PD-2 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 003 | Primary furnace T-1 | PD-3 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 004 | Secondary furnace T-1 | PD-4 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 005 | Splenic motor control panel T-1 | PD-5 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 006 | Cooling water circulation system for splenic motor T-1 | PD-6 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 007 | Oxygen concentration controller T-1 | PD-7T1 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 008 | Assessing chamber T-1 | PD-8 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 009 | Chilling unit for line cooler T-1 | PD-9 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 010 | Machines for powder classification system T-2 | PD-10 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 011 | Atomizer control panel T-2 | PD-11 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 012 | Primary furnace T-2 | PD-12 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 013 | Secondary furnace T-2 | PD-13 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 014 | Splenic motor control panel T-2 | PD-14 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 015 | Cooling water circulation system for splenic motor T-2 | PD-15 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 016 | Oxygen concentration controller T-2 | PD-7T2 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 017 | Assessing chamber T-2 | PD-16 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 018 | Chilling unit for line cooler T-2 | PD-17 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 019 | Cooling water chilling unit for Chamber | PD-18 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 020 | Lifting chain block | PD-19 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 021 | Bag pack machine for solder powder | PD-20 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 022 | Weighting hood for solder powder handling | PD-21 | SD-A | o | 5 | 5 | 5 | 5 | 5 | 5 | |
| 023 | Blower for recycling line T-1 | PD-22T1 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 024 | Blower for recycling line T-1 | PD-22T2 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 025 | Bag filter for recycling line T-1 | PD-23T1 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 026 | Bag filter for recycling line T-2 | PD-23T2 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 027 | Digital scale(50kg) | PD-24 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 028 | Control cleaner | PD-25 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 029 | Refrigeration room(Deep sample storage) | D1-13 | IPC-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 030 | Hot crane | PD-34 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 031 | Horizontal dryer | PD-28 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 032 | Digital scale(1200kg) | PD-29 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 033 | Dust collector(PFE-150D) | PD-30 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 034 | Dust collector(PFE-60D) | PD-37 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 035 | Digital scale(50kg)No.1 | PD-28 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 036 | Digital scale(50kg)No.2 | PD-29 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 037 | Digital scale(50kg)No.3 | PD-40 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 038 | Digital scale(50kg)No.4 | PD-41 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 039 | Moist machine | SD-1 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 040 | Primary molting furnace | SD-2 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 041 | Digital scale(100kg) | SD-3 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 042 | Digital scale(4kg) | SD-4 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 043 | Cooling water tank | SD-5 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |
| 044 | Solder handling machine | SD-6 | SD-A | o | 8 | 8 | 11 | 11 | 10 | 10 | |

Note : Solder Paste Section ----- D1

Inspection Area ----- IPC-A

Facility ----- FAC

Solder Paste Area ----- SDP-A

Vehicle Product Section ----- D1-V

POWDER ----- PD

Laboratory ----- LAB

Vehicle Area ----- VC-A

Solder Section ----- E1

Surface Section ----- ES

Solder Area ----- SD-A

Solder Bar ----- SDB

APPROVED BY :

DATE :



PREVENTIVE MAINTENANCE SCHEDULE FOR THE YEAR 2022 (FC2)

PERIOD : APR MAY JUN

| S/N | EQUIPMENT NAME | MACHINE CODE NO. | DEPT. CODE | PERIOD | | DATE OF A MONTH | | | | | |
|-----|---|---------------------|---------------|--------|---------|-----------------|--------|-----|--------|-----|--------|
| | | | | DAILY | MONTHLY | MONTHLY | | | | | ACTUAL |
| | | | | | | APR | ACTUAL | MAY | ACTUAL | JUN | |
| 045 | Primary mixer (PLM50) | D1-V01 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 046 | Machines for Vehicle small volume production | D1-V02 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 047 | Vehicle reactor tank 35L #2 No.1 (Relocation) | D1-V03 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 048 | Chiller unit for vehicle Reactor Tank 35L No.1 | D1-V04 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 049 | Chiller unit for planetary mixer (PLM350)No.1 | D1-V05 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 050 | Transformer | D1-V06 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 051 | Draft chamber | D1-V07 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 052 | Draft chamber | D1-V08 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 053 | Exhaust fan for vehicle/intercooler fan | D1-V09 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 054 | Chiller unit for vehicle Reactor Tank 35L No.2 | D1-V10 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 055 | Chiller unit for Planetary mixer (PLM350)No.2 | D1-V11 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 056 | Vehicle reactor tank 35L #1 No.2 (Relocation) | FC1-D1-V1 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 057 | Vehicle reactor tank 35L #2 No.3 (Relocation) | FC1-D1-V2 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 058 | Planetary mixer (PLM350)No.2 (Relocation) | FC1-D1-V3 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 059 | Planetary mixer (PLM350) | FC1-D1-V4 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 060 | Chiller unit for planetary mixer 30L (Relocation) | FC1-D1-V5 | VC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 061 | Bag pack machine for solder powder | D1-1 | SDP-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 062 | Weighting hood for solder powder handling | D1-2 | SDP-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 063 | Assessing test equipment set | PD-32 | IPC-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 064 | Dust collector(PFE-60D) | D1-4 | SDP-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 065 | Vacuum pump No.1 (S.D=Solder Paste Mixing Arm) | D1-5 | SDP-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 066 | Air compressor No.3and receiver tank | D1-6 | SDP-A | o | 18 | 18 | 18 | 18 | 15 | 15 | |
| 067 | Particle size analyzer | PD-31 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 068 | Planetary mixer (PLM350)No.1 | D1-9 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 069 | Solder powder stirring machine | D1-9 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 070 | Planetary mixer (PLM350)No.1 | D1-10 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 071 | Chiller unit for planetary mixer (PLM350, Auto)No.1 | D1-11 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 072 | Chiller unit for planetary mixer (PLM350)No.1 | D1-12 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 073 | Filling machine for syringes | D1-14 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 074 | Vacuum pump No.2 for PLM100L No.1 | D1-15 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 075 | Planetary Mixer (PLM350)No.2 | D1-16 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 076 | Chiller unit for planetary mixer (PLM350)No.2 | D1-17 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 077 | Air Dryer No.2 | D1-18 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 078 | Chiller unit for planetary mixer PLM100 No.1(EVEELA) | D1-19 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 079 | Chiller unit for planetary mixer PLM100 No.2(EVEELA) | D1-20 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 080 | Planetary mixer (PLM350)No.2 (Relocation) | FC1-D1-1 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 081 | Planetary mixer (PLM350)No.3 (Relocation) | FC1-D1-2 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 082 | Planetary mixer (PLM350)2(Relocation) | FC1-D1-3 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 083 | Planetary mixer (PLM350)No.2(Relocation) | FC1-D1-4 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 084 | Planetary mixer (PLM350)(Relocation) | FC1-D1-5 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 085 | Chiller unit for planetary mixer (PLM350)No.1(Relocation) | FC1-D1-6 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 086 | Chiller unit for planetary mixer (PLM350)No.2(Relocation) | FC1-D1-3 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 087 | Chiller unit for planetary mixer (PLM350)No.3(Relocation) | FC1-D1-4 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 088 | Chiller unit for planetary mixer (PLM350)No.2(Relocation) | FC1-D1-5 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 089 | Chiller unit for planetary mixer (PLM350)(Relocation) | FC1-D1-6 | SDP-A | o | 22 | 22 | 25 | 25 | 22 | 22 | |
| 090 | Vacuum pump -1 for PLM (Relocation) | FC1-D1-1 | SDP-A | o | 29 | 29 | 30 | 30 | 29 | 29 | |

PREVENTIVE MAINTENANCE SCHEDULE FOR THE YEAR 2022 (FC2)
PERIOD : JUL AUG SEP

| S/N | EQUIPMENT NAME | MACHINE CODE NO. | DEPT. CODE | PERIOD | DATE OF A MONTH | | | | | |
|-----|---|------------------|------------|--------|-----------------|---------|-----|-----|-----|--------|
| | | | | | DAILY | MONTHLY | JUL | AUG | SEP | ACTUAL |
| 001 | Machines for powder classification system T-1 | PD-1 | SD-A | | | | 5 | 5 | 5 | 5 |
| 002 | Auxiliary control panel T-1 | PD-2 | SD-A | | | | 5 | 5 | 5 | 5 |
| 003 | Primary furnace T-1 | PD-3 | SD-A | | | | 5 | 5 | 5 | 5 |
| 004 | Secondary furnace T-1 | PD-4 | SD-A | | | | 5 | 5 | 5 | 5 |
| 005 | Splittable motor control panel T-1 | PD-5 | SD-A | | | | 5 | 5 | 5 | 5 |
| 006 | Coating water circulation system for splittable motor T-1 | PD-6 | SD-A | | | | 5 | 5 | 5 | 5 |
| 007 | Oxygen concentration controller T-1 | PD-7T1 | SD-A | | | | 5 | 5 | 5 | 5 |
| 008 | Aluminum chamber T-1 | PD-8 | SD-A | | | | 5 | 5 | 5 | 5 |
| 009 | Chilling unit for line cooler T-1 | PD-9 | SD-A | | | | 5 | 5 | 5 | 5 |
| 010 | Machines for powder classification system T-2 | PD-10 | SD-A | | | | 5 | 5 | 5 | 5 |
| 011 | Auxiliary control panel T-2 | PD-11 | SD-A | | | | 5 | 5 | 5 | 5 |
| 012 | Primary furnace T-2 | PD-12 | SD-A | | | | 5 | 5 | 5 | 5 |
| 013 | Secondary furnace T-2 | PD-13 | SD-A | | | | 5 | 5 | 5 | 5 |
| 014 | Splittable motor control panel T-2 | PD-14 | SD-A | | | | 5 | 5 | 5 | 5 |
| 015 | Coating water circulation system for splittable motor T-2 | PD-15 | SD-A | | | | 5 | 5 | 5 | 5 |
| 016 | Oxygen concentration controller T-2 | PD-7T2 | SD-A | | | | 5 | 5 | 5 | 5 |
| 017 | Aluminum chamber T-2 | PD-16 | SD-A | | | | 5 | 5 | 5 | 5 |
| 018 | Chilling unit for line cooler T-2 | PD-17 | SD-A | | | | 5 | 5 | 5 | 5 |
| 019 | Coating water chilling unit for Chamber | PD-18 | SD-A | | | | 5 | 5 | 5 | 5 |
| 020 | Lifting chain block | PD-19 | SD-A | | | | 5 | 5 | 5 | 5 |
| 021 | Step pack machine for solder powder | PD-20 | SD-A | | | | 5 | 5 | 5 | 5 |
| 022 | Weighing hood for solder powder handling | PD-21 | SD-A | | | | 5 | 5 | 5 | 5 |
| 023 | Blower for recycling line T-1 | PD-22T1 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 024 | Blower for recycling line T-2 | PD-22T2 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 025 | Bag filter for recycling line T-1 | PD-23T1 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 026 | Bag filter for recycling line T-2 | PD-23T2 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 027 | Digital scale(30kg) | PD-24 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 028 | Control cooler | PD-25 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 029 | Refrigeration (keep sample storage) | D1-13 | IPC-A | | | 11 | 10 | 10 | 12 | 11 |
| 030 | Mold case | D1-34 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 031 | Humidity dryer | PD-28 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 032 | Digital scale(1200kg) | PD-29 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 033 | Dust collector(PPE-1500) | PD-30 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 034 | Dust collector(PPE-600) | PD-37 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 035 | Digital scale(150kg)No.1 | PD-38 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 036 | Digital scale(150kg)No.2 | PD-39 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 037 | Digital scale(150kg)No.3 | PD-40 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 038 | Digital scale(150kg)No.4 | PD-41 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 039 | Mold machine | SDB-1 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 040 | Primary melting furnace | SDB-2 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 041 | Digital scale(2000kg) | SDB-3 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 042 | Digital scale(600kg) | SDB-4 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 043 | Chilling water tank | SDB-5 | SD-A | | | 11 | 10 | 10 | 12 | 11 |
| 044 | Solder handling machine | SDB-6 | SD-A | | | 11 | 10 | 10 | 12 | 11 |

PREVENTIVE MAINTENANCE SCHEDULE FOR THE YEAR 2022 (FC2)
PERIOD : JUL AUG SEP

| S/N | EQUIPMENT NAME | MACHINE CODE NO. | DEPT. CODE | PERIOD | DATE OF A MONTH | | | | | |
|-----|---|------------------|------------|--------|-----------------|---------|-----|-----|-----|--------|
| | | | | | DAILY | MONTHLY | JUL | AUG | SEP | ACTUAL |
| 045 | Planetary mixer (PLM10) | D1-V01 | VC-A | | | | 15 | 15 | 15 | 15 |
| 046 | Machines for Vehicle small volume production | D1-V02 | VC-A | | | | 15 | 15 | 15 | 15 |
| 047 | Vehicle reactor tank 35L #2 No.1 (Relocation) | D1-V03 | VC-A | | | | 15 | 15 | 15 | 15 |
| 048 | Chiller unit for vehicle Reactor Tank 35L No.1 | D1-V04 | VC-A | | | | 15 | 15 | 15 | 15 |
| 049 | Chiller unit for planetary mixer (PLM50)No.1 | D1-V05 | VC-A | | | | 15 | 15 | 15 | 15 |
| 050 | Transformer | D1-V06 | VC-A | | | | 15 | 15 | 15 | 15 |
| 051 | Draft chamber | D1-V07 | VC-A | | | | 15 | 15 | 15 | 15 |
| 052 | Draft chamber | D1-V08 | VC-A | | | | 15 | 15 | 15 | 15 |
| 053 | Exhaust fans for vehicle(aircoo fan) | D1-V09 | VC-A | | | | 15 | 15 | 15 | 15 |
| 054 | Chiller unit for vehicle Reactor Tank 35L No.2 | D1-V10 | VC-A | | | | 15 | 15 | 15 | 15 |
| 055 | Chiller unit for Planetary mixer (PLM50)No.2 | D1-V11 | VC-A | | | | 15 | 15 | 15 | 15 |
| 056 | Vehicle reactor tank 35L #1 No.2 (Relocation) | FC1-D1-V1 | VC-A | | | | 15 | 15 | 15 | 15 |
| 057 | Vehicle reactor tank 35L #3 No.3 (Relocation) | FC1-D1-V3 | VC-A | | | | 15 | 15 | 15 | 15 |
| 058 | Planetary mixer (PLM50)No.2 (Relocation) | FC1-D1-V2 | VC-A | | | | 15 | 15 | 15 | 15 |
| 059 | Planetary mixer (PLM50) (Relocation) | FC1-D1-V5 | VC-A | | | | 15 | 15 | 15 | 15 |
| 060 | Chiller unit for planetary mixer 30L (Relocation) | FC1-D1-V8 | VC-A | | | | 15 | 15 | 15 | 15 |
| 061 | Step pack machine for solder powder | D1-1 | SDP-A | | | | 15 | 15 | 15 | 15 |
| 062 | Weighing hood for solder powder handling | D1-2 | SDP-A | | | | 15 | 15 | 15 | 15 |
| 063 | Auxiliary test equipment set | PD-32 | SDP-A | | | | 15 | 15 | 15 | 15 |
| 064 | Dust collector(PPE-600) | D1-5 | SDP-A | | | | 15 | 15 | 15 | 15 |
| 065 | Vacuum pump No.1 (S.B.+Solder Paste Mixing Area) | D1-15 | SDP-A | | | | 15 | 15 | 15 | 15 |
| 066 | Air compressor No.3and receiver tank | D1-6 | SDP-A | | | | 15 | 15 | 15 | 15 |
| 067 | Particle size analyzer | PD-31 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 068 | Planetary mixer (PLM30)auto No.1 | D1-8 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 069 | Solder powder inserting machine | D1-9 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 070 | Planetary mixer (PLM100)No.1 | D1-10 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 071 | Chiller unit for planetary mixer (PLM100)AutoNo.1 | D1-11 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 072 | Filling machine for syringe | D1-14 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 073 | Vacuum pump No.2 for PLM100L No.1 | D1-15 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 074 | Planetary mixer (PLM15)No.2 | D1-16 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 075 | Chiller unit for planetary mixer (PLM15)No.2 | D1-17 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 076 | Air Dryer No.2 | D1-18 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 077 | Chiller unit for planetary mixer PLM100 No.1(EYEEL) | D1-19 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 078 | Chiller unit for planetary mixer PLM100 No.2(EYEEL) | D1-20 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 080 | Planetary mixer (PLM150)No.1(Relocation) | FC1-D1-1 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 081 | Planetary mixer (PLM200)No.2(Relocation) | FC1-D1-2 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 082 | Planetary mixer (PLM300)No.2(Relocation) | FC1-D1-3 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 083 | Planetary mixer (PLM450)No.2(Relocation) | FC1-D1-4 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 084 | Chiller unit for planetary mixer (PLM15)No.1(Relocation) | FC1-D1-5 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 085 | Chiller unit for planetary mixer (PLM15)No.2(Relocation) | FC1-D1-6 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 086 | Chiller unit for planetary mixer (PLM300)No.2(Relocation) | FC1-D1-7 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 087 | Chiller unit for planetary mixer (PLM450)No.2(Relocation) | FC1-D1-8 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 088 | Chiller unit for planetary mixer (PLM100)No.2(Relocation) | FC1-D1-9 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 089 | Chiller unit for planetary mixer (PLM150)No.2(Relocation) | FC1-D1-10 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |
| 090 | Vacuum pump -1 for PLM (Relocation) | FC1-D1-V1 | SDP-A | | | 22 | 25 | 25 | 22 | 21 |

PREVENTIVE MAINTENANCE SCHEDULE FOR THE YEAR 2022 (FC2)
PERIOD : JUL AUG SEP

| S/N | EQUIPMENT NAME | MACHINE CODE NO. | DEPT. CODE | PERIOD | DATE OF A MONTH | | | | | |
|-----|---|------------------|------------|--------|-----------------|---------|--------|--------|--------|--------|
| | | | | | DAILY | MONTHLY | JUL | AUG | SEP | ACTUAL |
| 091 | Vacuum pump -2 for PLM (Relocation) | FC1-D1-V2 | SDP-A | | | | 29 | 30 | 29 | 29 |
| 092 | Vacuum pump -3 for PLM (Relocation) | FC1-D1-V3 | SDP-A | | | | 29 | 30 | 29 | 29 |
| 093 | Vacuum pump -4 for PLM (Relocation) | FC1-D1-V4 | SDP-A | | | | 29 | 30 | 29 | 29 |
| 094 | Vacuum pump #5 for Solder Paste Area(Relocation) | FC1-D1-V5 | SDP-A | | | | 29 | 30 | 29 | 29 |
| 095 | Chiller unit for planetary mixer (PLM150)No.1(Relocation) | FC1-D1-C0 | SDP-A | | | | 29 | 30 | 29 | 29 |
| 096 | Ex-Proof Agitator With Double Wall Tank Capacity 1800 Liters Installation & Control Box | E1-2 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 097 | Ex-Proof Agitator With Double Wall Tank Capacity 300 Liters Installation & Control Box | E1-1 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 098 | Ex-Proof Agitator With Mixing tank 675L No.2 (Relocation) | FC1-E1-2 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 099 | Ex-Proof Agitator With Mixing tank 360L No.1 (Relocation) | FC1-E1-1 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 100 | Mixing tank 1000L | E9-1 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 101 | Mixing tank 600L and Ex-Proof Agitator | E9-2 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 102 | Hot exchanged water manufacturing machine | E9-3 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 103 | Draft chamber | E9-4 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 104 | Measuring hood | E9-5 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 105 | Scrubber systems | E9-6 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 106 | Hydraulic lift 1500 Kg | HDL-E1-3 | E1/E9 Area | | | | 29 | 30 | 29 | 29 |
| 107 | Draft chamber for handling solder powder | PD-33 | IPC-A | | | | 29 | 30 | 29 | 29 |
| 108 | Strapping machine (Relocation) | FC1-GT-STP1 | STORE | | | | 29 | 30 | 29 | 29 |
| 109 | Auto Strapping Machine | AT-STP2 | STORE | | | | 29 | 30 | 29 | 29 |
| 110 | Freight elevator 1500 Kg | FE-1300 KG | SD-A | | | | 29 | 30 | 29 | 29 |
| 111 | Passenger lift 450 Kg | PL-450 KG | OFFICE | | | | 29 | 30 | 29 | 29 |
| 112 | Exhaust fan(Circoco fan) | D1-7 | SDP-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 113 | Printer | D1-3 | SDP-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 114 | IPA underground tank | E1-6 | E1/E9 Area | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 115 | IPA Pump and Hand dispensing | E1-7 | E1/E9 Area | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 116 | Air compressor No.1 | PD-26 | SD-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 117 | Air compressor No.2 | PD-27 | SD-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 118 | Air tank | PD-35 | SD-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 119 | Air dryer No.1 | PD-36 | SD-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 120 | Fine pump | FR-G1 | FAC | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 121 | Water booster pump | BTP-G1 | FAC | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 122 | Refrigerator (keep sample storage) FR-1(Relocation) | FC1-CF/R15 | STORE | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 123 | Refrigerator (keep sample storage) FR-4(Relocation) | FC1-SF/R14 | IPC-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 124 | Refrigerator (keep sample storage) FR-6(New) | SF/R16 | IPC-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |
| 125 | Refrigerator (keep sample storage) FR-7(New) | SF/R17 | IPC-A | | | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 | 1 → 31 |

Note : Solder Paste Section ----- D1

Vehicle Product ----- D1-V

Solder Paste Area ----- E1

Inspection Area ----- IPC-A

POWDER ----- PD

Surface Area ----- E9

Facility ----- FAC

Laboratory ----- LAB

Solder Area ----- SD-A

Safety Master Plan 2023

[illegible]

Revision Date : 24 January 2023

Intended

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APPENDIX

07602043

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

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