

Equipment: Demo Pump2

BOR Demo Report 1/4 - 30/4, 2024

BOR Location: VITEG, Description: M-156
Expiry Date: 13/2/2026



Report Summary

Conclusion:

The equipment operated well during this period. Regular maintenance is recommended, and parts should be replaced if necessary to extend the equipment's lifespan.

Fault Summary

Fault/Normal Days Ratio

■ Fault days 0 days
■ Normal days 30 days



Running and Energy Summary

Running/Idle Days Ratio

■ Running days 30 days
■ Idle days 0 days



Running/Idle Time Ratio

■ Running 143.95 hours
■ Idle 576.05 hours



Energy Consumption

	Date	Energy	Carbon Emissions (CLP)	Carbon Emissions(HK Electric)
Highest Day	20/4	45.6 kWh	17.33 CO ₂ e	27.36 CO ₂ e
Lowest Day	30/4	33.2 kWh	12.62 CO ₂ e	21.91 CO ₂ e
During the Period	1/4 - 30/4	1151.6 kWh	437.61 CO ₂ e	760.06 CO ₂ e



Single Running Time

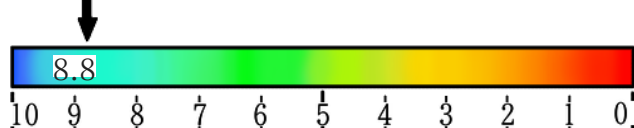
	Date	Duration
Longest Time	27/4	15mins 0s
Shortest Time	17/4	1mins 30s



Daily Running Time

	Date	Duration
Longest Time	20/4	5hrs 42mins
Shortest Time	30/4	4hrs 9mins

EHI Index: Good



Weekday Operation Summary

For details, please refer to the list of operation-related items



Weekend Operation Summary

The equipment was in operation on all dates in this period.

For details, please refer to the list of operation-related items



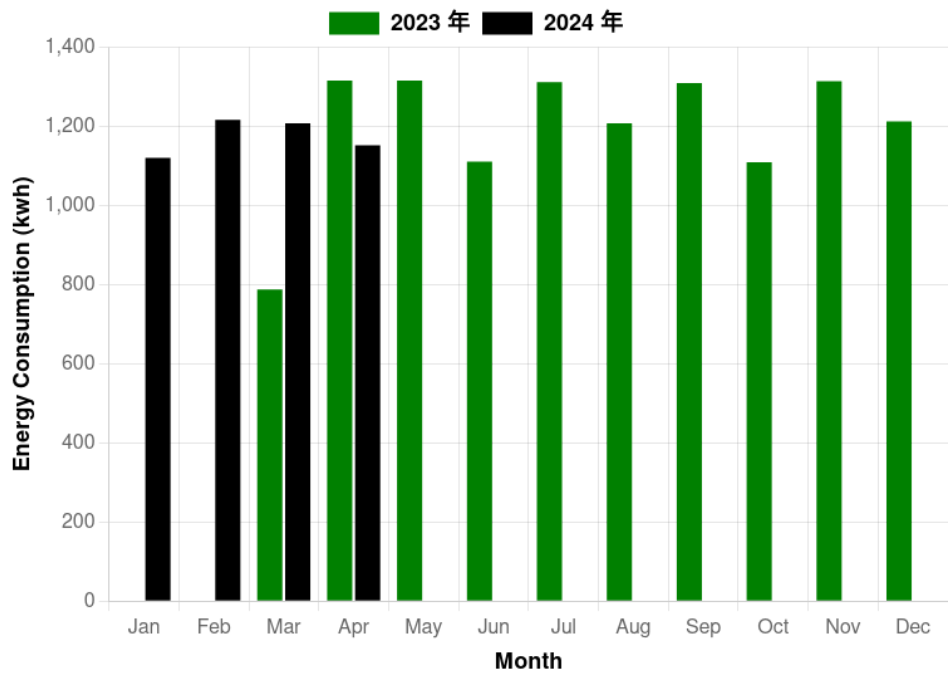
BOR Name	Report Part	Month
Demo Pump2	Power Meter	4/2024

Meter Report Summary:

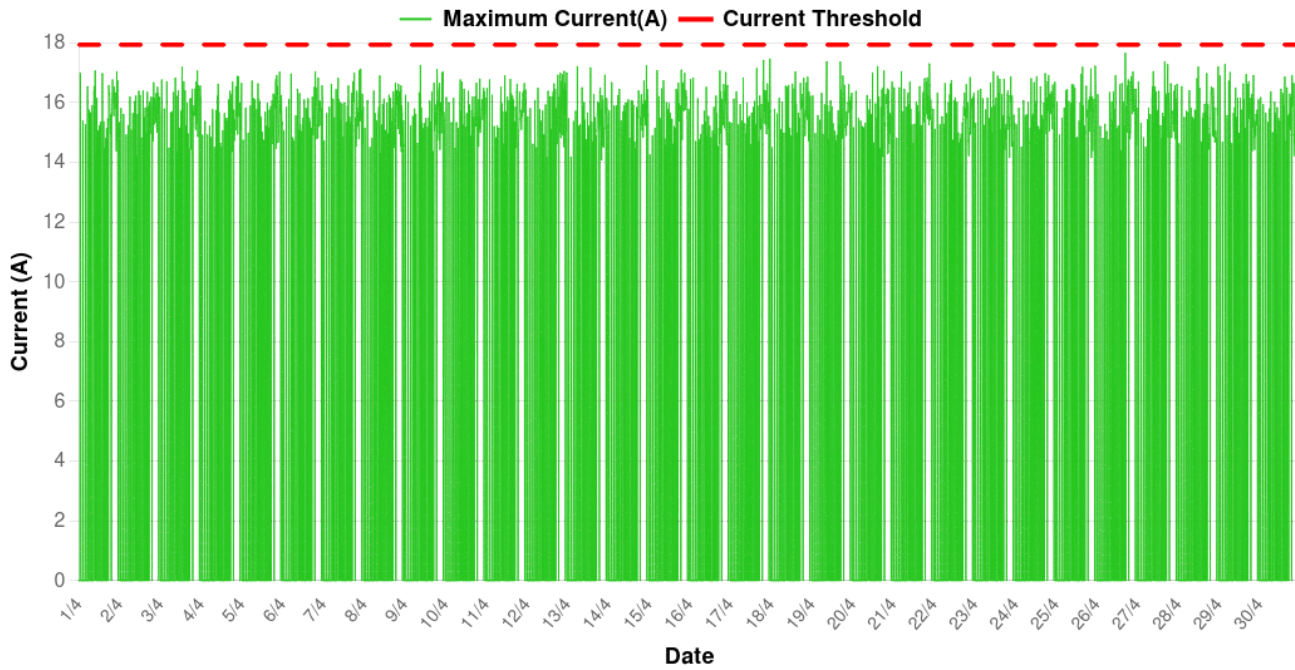
Energy Consumption Abnormality: **March**

Year	Total Energy Consumption	Carbon Emissions (CLP)	Carbon Emissions (HK Electric)
2023	11991.72 kWh	4556.85 CO ² e	7914.54 CO ² e
2024 (Up to this period)	4695.3 kWh	1784.21 CO ² e	3098.88 CO ² e

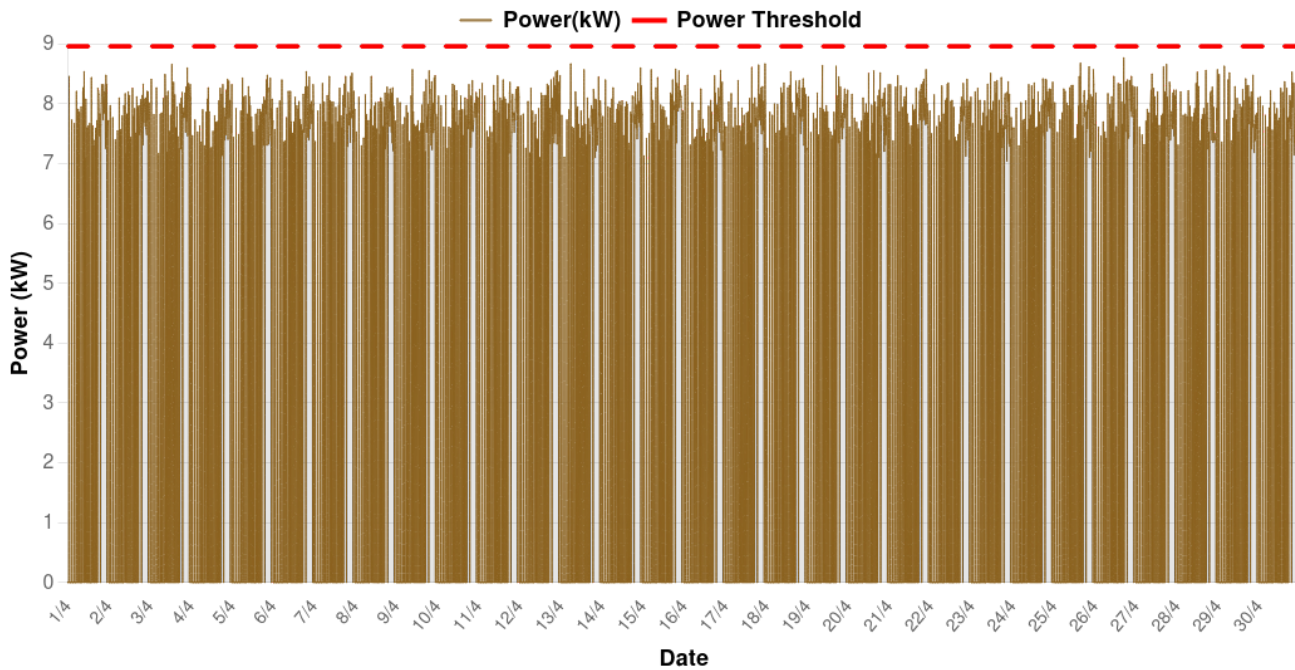
Comparison of Energy Consumption (kWh) Between Last Year and This Year



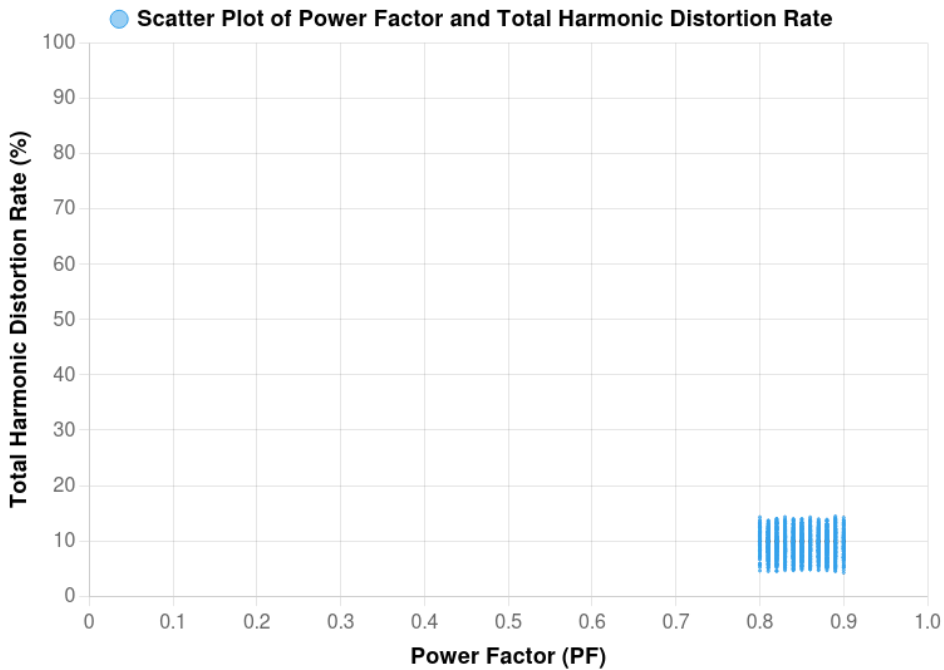
Line Chart of Maximum Current



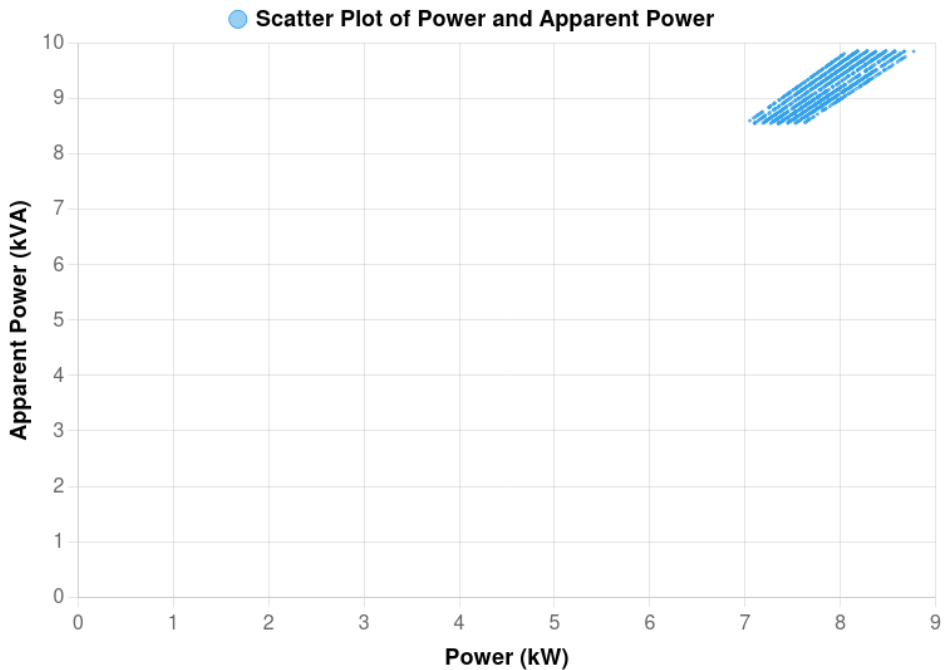
Line Chart of Power



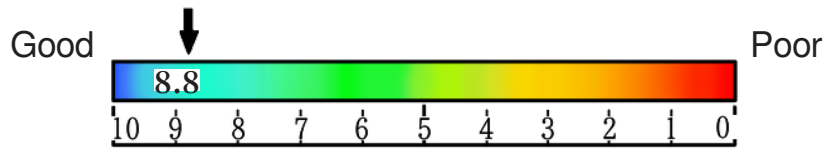
Scatter Plot of Power Factor and Total Harmonic Distortion Rate



Scatter Plot of Power and Apparent Power



EHl: 8.8



Item	Value
This Month's EHI	8.8
Percentage Comparison with Last Month's EHI	-2%
Percentage Comparison with Last Year's EHI	-20%

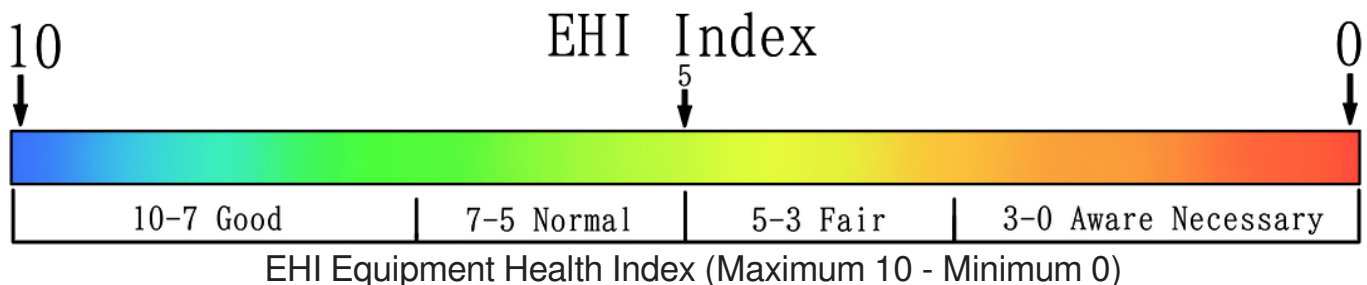
Comment:

The total accumulated running time of the equipment is 1434.05 hours.
The average daily running time is 3.92 hours/day.

Number of Faults: 0 times || Number of Alarms: 0 times.

If fault events occur too frequently, please check and maintain the maintenance plan as needed.

Report Tip: Regularly monitoring operating conditions and scheduling maintenance are essential for ensuring equipment longevity and optimal performance.



The EHI index describes the equipment operation pattern to monitor the healthy index from the maximum value of 10 when a new operation starts to the minimum value of 0, which is almost the end of its life span. When the EHI drops below or sharply 5, it indicates that necessary check/maintenance of the equipment is recommended.

The EHI can be affected by numerous of factors, such as the operating frequency, abnormal operating duration, changing in operating pattern, total operating hours, etc. The EHI value has been determined based on the real operation pattern of the equipment and is illustrated for maintenance team one more valuable as reference.

Equipment Demo Pump2, Location: VITEG, Description: M-156

Username: BOR_guest, BOR: BOR-48:CA:43:B3:21:78, Expiry Date: 13/2/2026

BOR Name	Last Sync (DD/MM/YY HH:MM)										Month
Demo Pump2	18/2/2025 11:17										4/2024

Weekday Operation-Related Items List (Monday to Friday, excluding public holidays)

Item	2/4	3/4	5/4	8/4	9/4	10/4	11/4	12/4	15/4	16/4	17/4	18/4	19/4	22/4	23/4	24/4	25/4	26/4	29/4	30/4	Avg	Total	StdDev	Max	Min
Operation Frequency (times)	43	46	48	45	44	47	46	49	44	43	46	46	49	45	44	47	46	50	44	43	45.75	915	2.05	50	43
Total Running Time (hours)	4.15	4.5	4.8	4.3	4.2	4.55	4.4	4.85	4.25	4.15	4.5	4.4	4.85	4.3	4.2	4.55	4.4	4.9	4.25	4.15	4.43	88.65	0.24	4.9	4.15
Cross-Day Running (Y/N)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N/A	N/A	N/A	N/A	N/A
Longest Running Time (minutes)	11	13	13	12	11	13	12	14	12	11	13	12	14	12	11	13	12	14	12	11	12.3	246	1	14	11
Longest Running Start Time (hh:mm)	18:20	06:45	17:50	07:15	14:30	06:50	11:45	18:10	07:20	18:25	06:40	11:30	18:05	07:25	14:15	06:55	11:30	18:05	07:30	18:20	N/A	N/A	N/A	18:25	06:40
Shortest Running Time (minutes)	1.9	1.5	1.8	1.7	1.9	1.6	1.8	1.9	1.8	1.9	1.5	1.8	1.9	1.7	1.9	1.6	1.8	1.9	1.8	1.9	1.78	35.6	0.13	1.9	1.5
Shortest Running Start Time (hh:mm)	01:15	00:30	01:00	00:50	01:20	00:40	01:50	01:05	00:55	01:15	00:35	01:40	01:25	00:50	01:20	00:40	01:55	01:10	00:45	01:15	N/A	N/A	N/A	01:55	00:30
Maximum Number of Running in One Hour (times)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	N/A	N/A	N/A	N/A	N/A
Busiest One-Hour Running Period (hh:mm)	20:00	19:00	20:00	20:00	20:00	19:00	20:00	19:00	20:00	20:00	19:00	20:00	19:00	20:00	20:00	20:00	20:00	19:00	20:00	20:00	N/A	N/A	N/A	N/A	N/A
Average Single Running Time (minutes)	5.79	5.87	6	5.73	5.73	5.81	5.74	5.94	5.8	5.79	5.87	5.74	5.94	5.73	5.73	5.81	5.74	5.88	5.8	5.79	5.81	116.23	N/A	6	5.73
Earliest Running Time (hh:mm)	01:15	00:30	01:00	00:50	01:20	00:40	01:50	01:05	00:55	01:15	00:35	01:40	01:25	00:50	01:20	00:40	01:55	01:10	00:45	01:15	N/A	N/A	N/A	01:55	00:30
Latest Running Time (hh:mm)	22:30	22:40	23:40	22:45	22:30	22:40	22:35	23:30	22:45	22:30	22:40	22:35	23:55	22:45	22:30	22:40	22:35	23:50	22:45	22:30	N/A	N/A	N/A	23:55	22:30
Total Accumulated Running Time (hours)	1293.9	1304.4	1314.6	1329.9	1334.1	1338.65	1343.05	1347.9	1363.25	1367.4	1371.9	1376.3	1381.15	1396.55	1400.75	1405.3	1409.7	1414.6	1429.9	1434.05	N/A	N/A	N/A	N/A	N/A
Number of Power Failure (times)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Equipment Faults (times)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	0	0

Weekend Operation-Related Items List (Saturday, Sunday, and public holidays)

Item	1/4	4/4	6/4	7/4	13/4	14/4	20/4	21/4	27/4	28/4	Avg	Total	StdDev	Max	Min
Operation Frequency (times)	58	56	58	55	59	56	59	56	58	56	57.1	571	1.37	59	56
Total Running Time (hours)	5.65	5.4	5.65	5.35	5.7	5.4	5.7	5.4	5.65	5.4	5.53	55.3	0.14	5.7	5.35
Cross-Day Running (Y/N)	No	No	No	No	No	No	No	No	No	No	N/A	N/A	N/A	N/A	N/A
Longest Running Time (minutes)	15	14	15	14	15	14	15	14	15	14	14.5	145	0.5	15	14
Longest Running Start Time (hh:mm)	08:15	09:00	19:30	09:15	19:45	13:30	19:20	13:45	19:35	09:20	N/A	N/A	N/A	19:45	08:15
Shortest Running Time (minutes)	2.1	2	2.1	2.3	2.2	2.3	2.2	2.3	2.1	2.3	2.19	21.9	0.1	2.3	2
Shortest Running Start Time (hh:mm)	01:00	01:45	01:30	02:00	01:35	02:00	01:50	02:00	01:40	02:00	N/A	N/A	N/A	02:00	01:00
Maximum Number of Running in One Hour (times)	5	5	5	4	5	4	5	4	5	4	N/A	N/A	N/A	N/A	N/A
Busiest One-Hour Running Period (hh:mm)	20:00	19:00	21:00	20:00	19:00	20:00	21:00	20:00	20:00	19:00	N/A	N/A	N/A	N/A	N/A
Average Single Running Time (minutes)	5.84	5.79	5.84	5.84	5.8	5.79	5.8	5.79	5.84	5.79	5.81	58.17	0.02	5.84	5.79
Earliest Running Time (hh:mm)	01:00	01:45	01:30	02:00	01:35	02:00	01:50	02:00	01:40	02:00	N/A	N/A	N/A	02:00	01:00
Latest Running Time (hh:mm)	23:30	23:15	23:30	23:15	23:45	23:15	23:55	23:15	23:50	23:30	N/A	N/A	N/A	23:55	23:15
Total Accumulated Running Time (hours)	1295.75	1309.8	1320.25	1325.6	1353.6	1359	1386.85	1392.25	1420.25	1425.65	N/A	N/A	N/A	N/A	N/A
Number of Energy Faults (times)	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A
Number of Equipment Faults (times)	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	0

Number of Operations This Period: 1486 times,
Average Running Time: , Total Accumulated Running Time This Period: 143.95小時 (5H : 23小時 : 57分鐘),
Number of Operation Days: 30 days

Equipment: Demo Pump2, Location: VITEG, Description: M-156
Username BOR_guest, BOR: BOR-48:CA:43:B3:21:78, Expiry Date: 13/2/2026