

1. Info

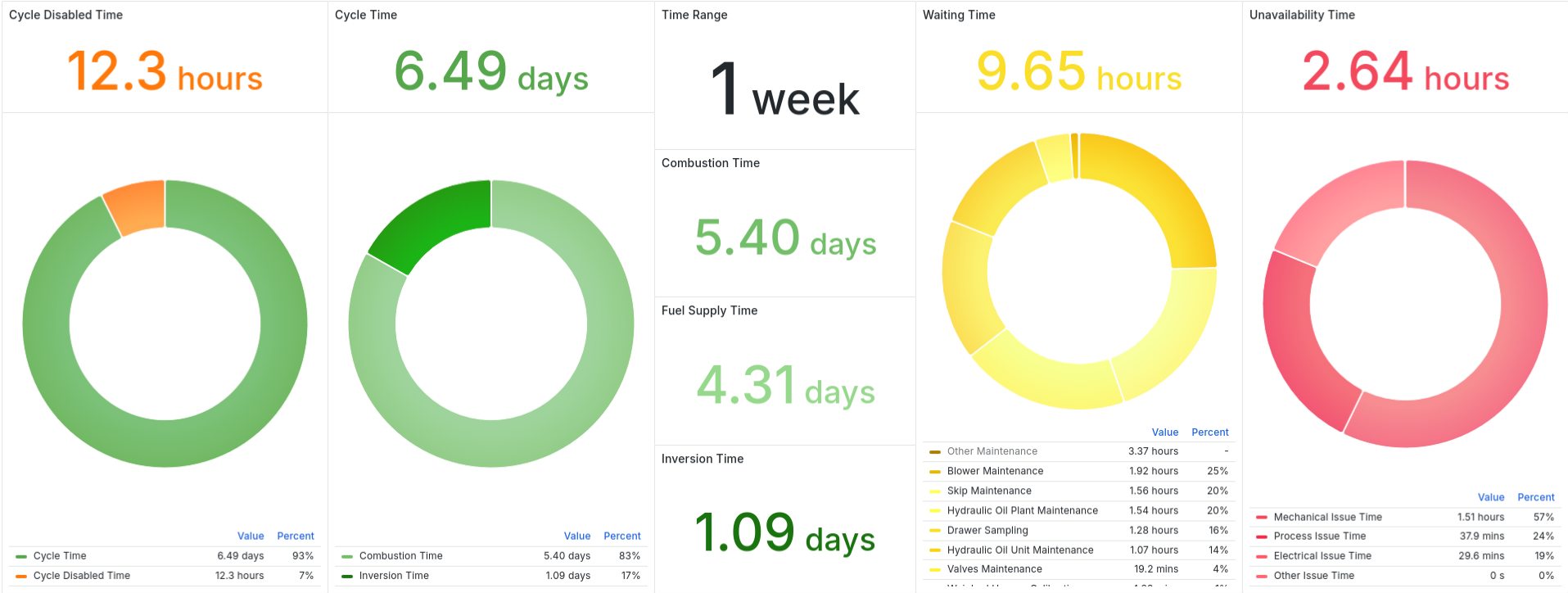
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Endpoint Address		Machine Name	From		Total Cycles	First ID
127.0.0.1			2025-01-18 16:08:54		625	9792
Endpoint ID	Endpoint Protocol	Flex Reversy 2	To			Last ID
19	S7		2025-01-25 16:08:59		10416	

2. Times



The Gantt chart displays the maintenance schedule for a coal plant from January 19 to January 25, 2023. The chart is organized into two main sections: 'Maintenance Tasks' (top) and 'Issue Time' (bottom). The x-axis represents time in 12-hour increments, with labels every 12 hours (e.g., 01/19 00:00, 01/19 12:00, etc.).

Maintenance Tasks:

- Cycle Disabled:** Represented by orange bars, indicating periods where the cycle was disabled. These occur frequently throughout the schedule.
- Drawer Sampling:** Represented by yellow bars, showing scheduled sampling activities.
- Valves Maintenance:** Represented by yellow bars, indicating valve maintenance tasks.
- Hydraulic Oil Unit Maintenance:** Represented by yellow bars, showing maintenance on the hydraulic oil unit.
- Hydraulic Oil Plant Maintenance:** Represented by yellow bars, indicating maintenance on the hydraulic oil plant.
- Blower Maintenance:** Represented by yellow bars, showing blower maintenance tasks.
- Skip Maintenance:** Represented by yellow bars, indicating maintenance on the skip system.
- Weighed Hopper Calibration:** Represented by yellow bars, showing calibration tasks for the weighed hopper.
- Coal Weighed Tank Calibration:** Represented by yellow bars, indicating calibration tasks for the coal weighed tank.
- Other Maintenance:** Represented by yellow bars, showing various other maintenance tasks.

Issue Time:

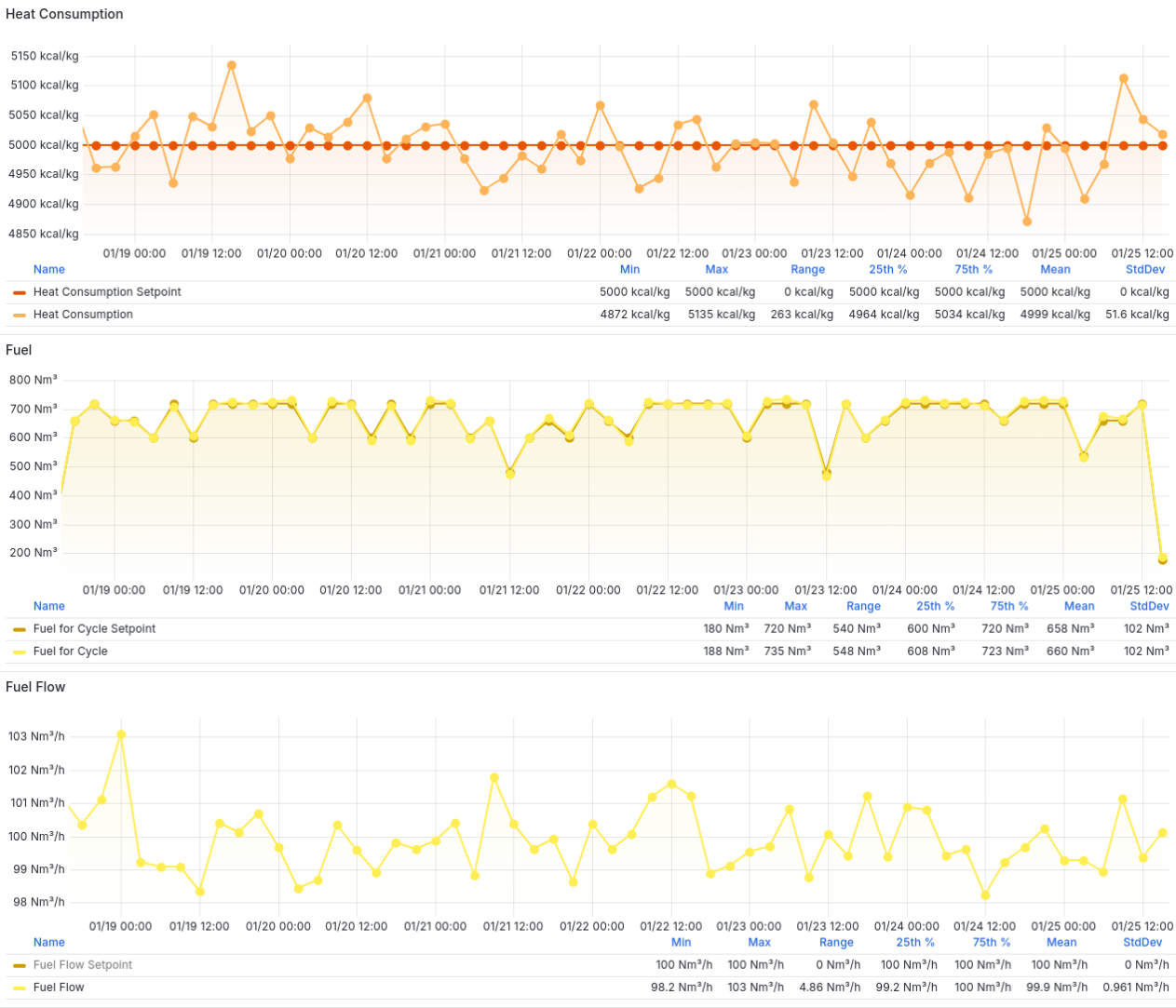
- Mechanical Issue Time:** Represented by red bars, indicating periods of mechanical issues.
- Electrical Issue Time:** Represented by red bars, indicating periods of electrical issues.
- Process Issue Time:** Represented by red bars, indicating periods of process issues.
- Other Issue Time:** Represented by red bars, indicating periods of other issues.

The chart provides a detailed view of the plant's maintenance activities and any associated issues over the specified period.

4. Production



5. Fuel



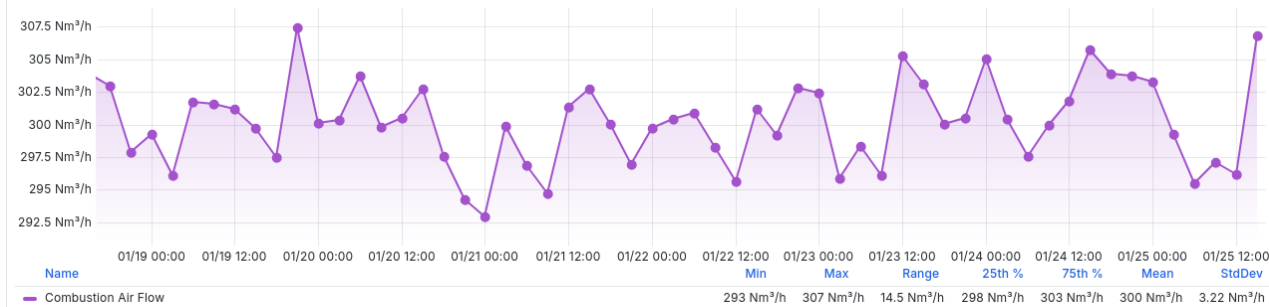
Mean - Heat Consumption				
4999 kcal/kg ↓ -0.177%				
Boundary Cycles - Heat Consumption				
Type	Date	Time	Cycle	Value
Min	2025-01-24	08:51:41	10299	4588 kcal/kg
Max	2025-01-21	05:58:16	10023	5500 kcal/kg

Total - Fuel				
37602 Nm³ ↓ -1.03%				
Boundary Cycles - Fuel				
Type	Date	Time	Cycle	Value
Min	2025-01-19	15:48:58	9877	54 Nm³
Max	2025-01-25	01:09:38	10363	65.9 Nm³

Mean - Fuel Flow				
99.9 Nm³/h ↓ -0.0589%				
Boundary Cycles - Fuel Flow				
Type	Date	Time	Cycle	Value
Min	2025-01-19	00:29:24	9820	90.2 Nm³/h
Max	2025-01-21	10:47:29	10040	109 Nm³/h

6. Combustion Air

Combustion Air Flow



Mean - Combustion Air Flow

300 Nm³/h ↑ 0.353%

Boundary Cycles - Fuel Flow

Type	Date	Time	Cycle	Value
Min	2025-01-23	10:55:15	10218	270 Nm³/h
Max	2025-01-22	22:23:15	10170	330 Nm³/h

Mean - Combustion Air Index

30.0 % ↓ -0.188%

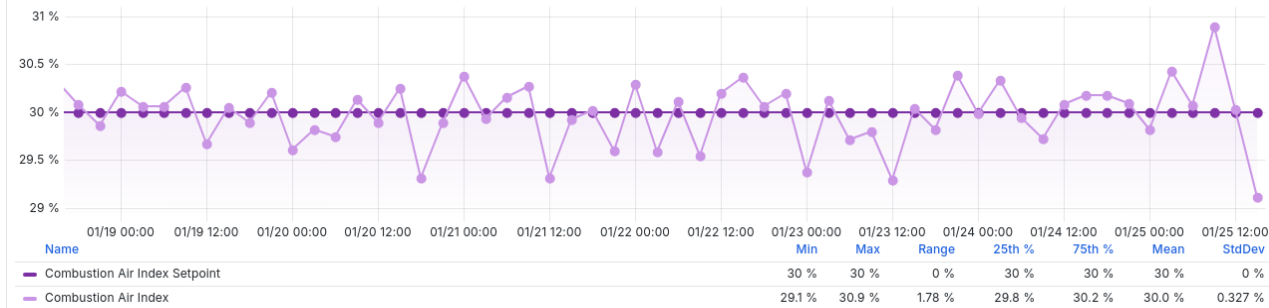
Boundary Cycles - Combustion Air Index

Type	Date	Time	Cycle	Value
Min	2025-01-22	05:31:44	10105	27 %
Max	2025-01-20	15:37:03	9970	33 %

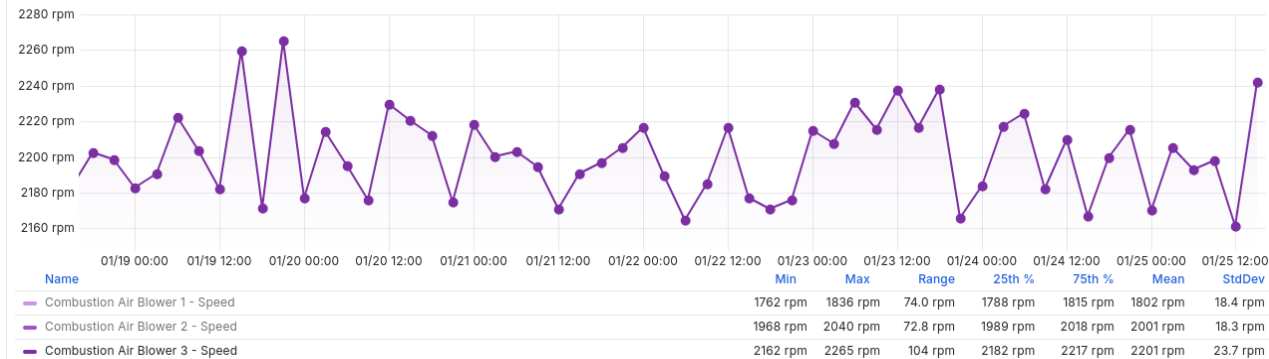
Boundary Cycles - Combustion Air Blower Speed

Type	Date	Time	Cycle	Value
Blower 1 - Min	2025-01-18	20:42:10	9806	1625 rpm
Blower 1 - Max	2025-01-25	06:27:21	10381	1963 rpm
Blower 2 - Min	2025-01-22	12:02:28	10129	1809 rpm
Blower 2 - Max	2025-01-22	09:30:50	10119	2200 rpm
Blower 3 - Min	2025-01-23	23:20:18	10261	1980 rpm
Blower 3 - Max	2025-01-20	04:09:30	9926	2418 rpm

Combustion Air Index



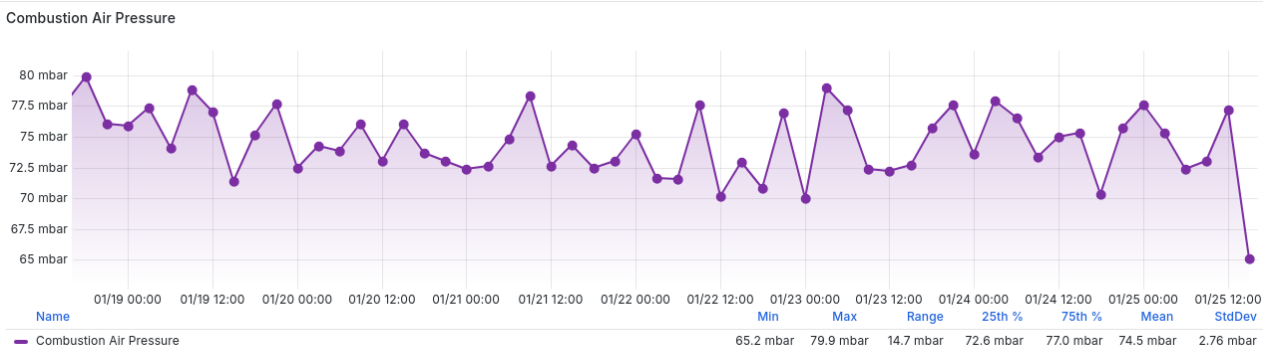
Combustion Air Blower Speed



Flex Reversy 2

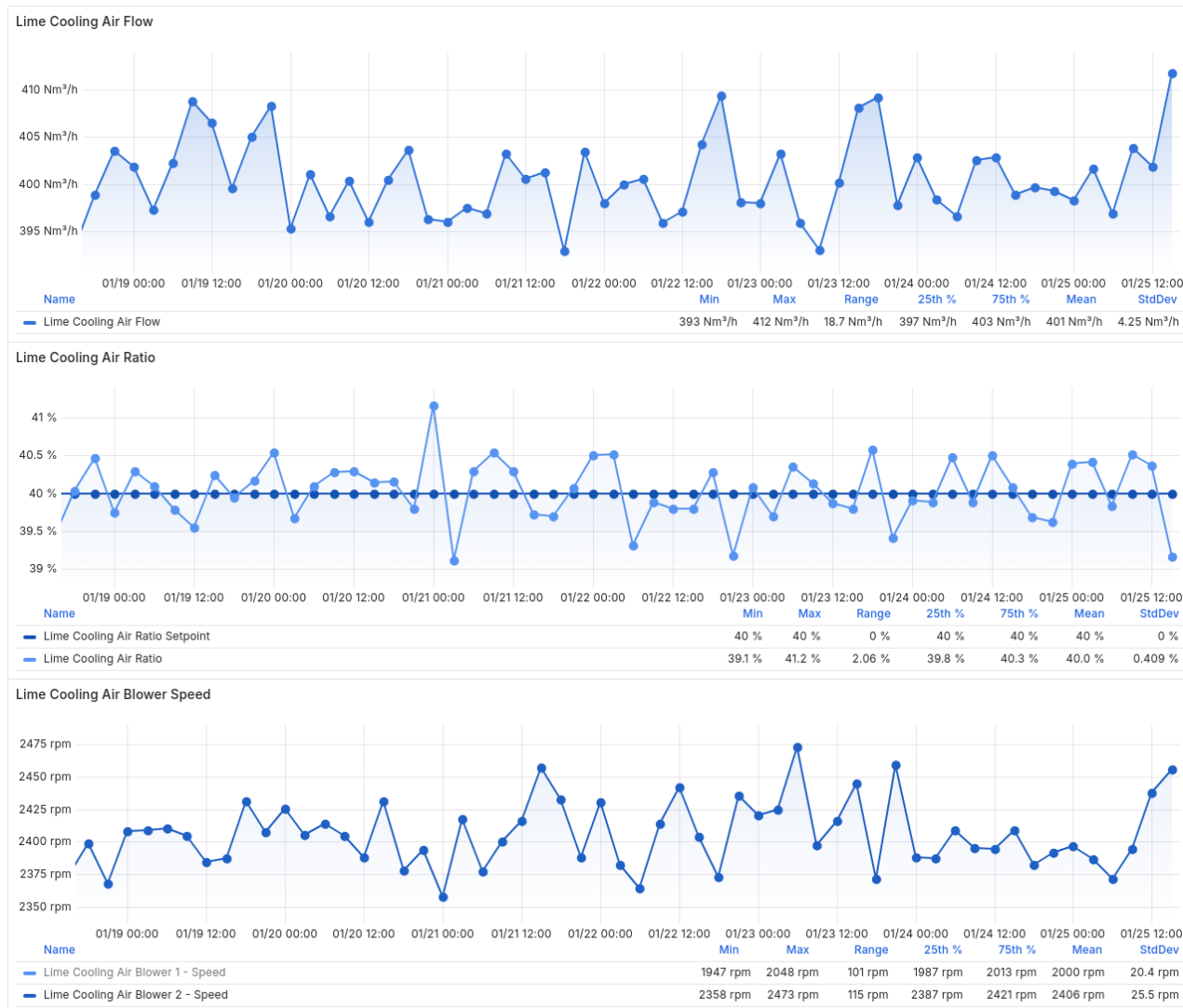
Reversy Klin - Overview

From Date: 2025-01-17 19:01:28
To Date: 2025-01-24 19:01:28



Mean - Combustion Air Pressure				
74.6 mbar↓ -0.567%				
Boundary Cycles - Combustion Air Pressure				
Type	Date	Time	Cycle	Value
Min	2025-01-25	15:50:49	10415	50 mbar
Max	2025-01-25	03:51:25	10373	97.4 mbar

7. Cool Air



Mean - Lime Cooling Air Flow

400 Nm³/h

↑ 0.0267%

Boundary Cycles - Lime Cooling Air Flow

Type	Date	Time	Cycle	Value
Min	2025-01-21	23:32:29	10082	360 Nm³/h
Max	2025-01-22	18:36:18	10155	440 Nm³/h

Mean - Lime Cooling Air Ratio

40.0 %

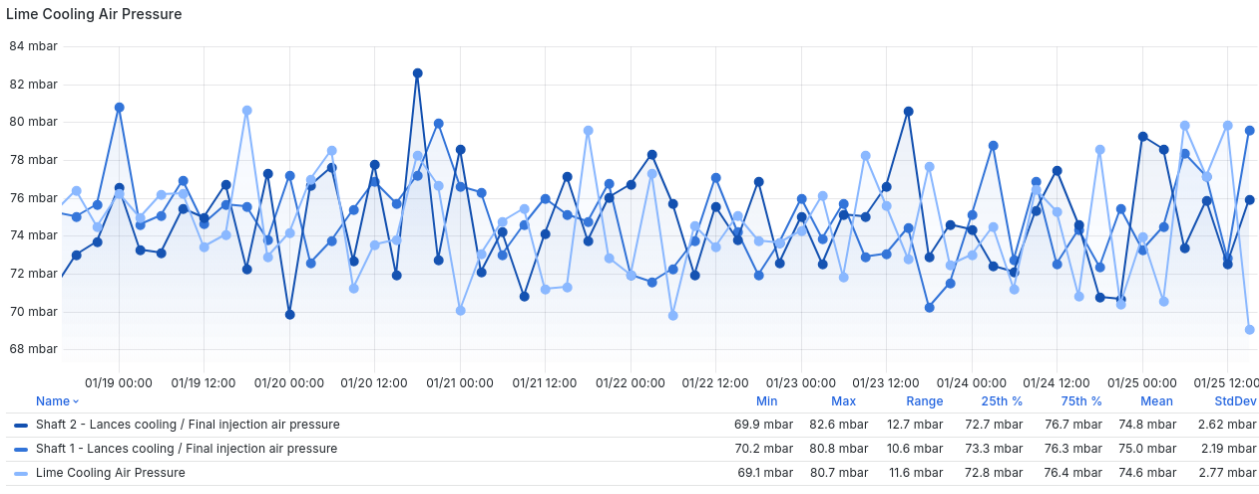
↑ 0.157%

Boundary Cycles - Lime Cooling Air Ratio

Type	Date	Time	Cycle	Value
Min	2025-01-23	21:13:15	10253	36 %
Max	2025-01-25	13:05:35	10406	44 %

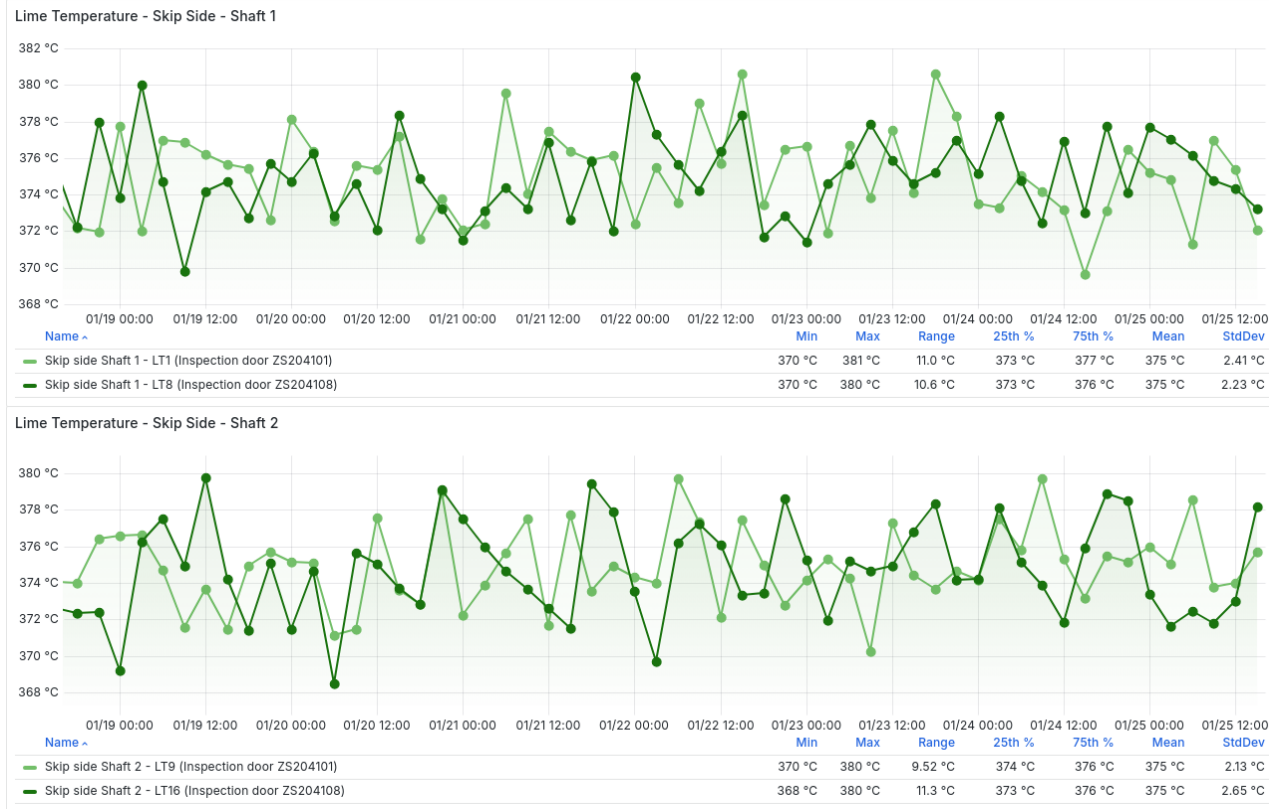
Boundary Cycles - Lime Cooling Air Blower Speed

Type	Date	Time	Cycle	Value
Blower 1 - Min	2025-01-19	19:36:38	9892	1831 rpm
Blower 1 - Max	2025-01-20	12:05:41	9956	2177 rpm
Blower 2 - Min	2025-01-24	05:07:03	10284	2160 rpm
Blower 2 - Max	2025-01-20	10:03:32	9948	2640 rpm



Mean - Lime Cooling Air Pressure				
74.7 mbar↓ -0.268%				
Boundary Cycles - Lime Cooling Air Pressure				
Type	Date	Time	Cycle	Value
Global - Min	2025-01-25	05:06:41	10377	50 mbar
Global - Max	2025-01-25	12:04:14	10402	100 mbar
Shaft 1 - Min	2025-01-24	15:43:52	10326	50 mbar
Shaft 1 - Max	2025-01-23	17:59:17	10242	100 mbar
Shaft 2 - Min	2025-01-21	09:02:05	10034	50.1 mbar
Shaft 2 - Max	2025-01-20	20:26:24	9987	100 mbar

8. Temperatures



Skip Side Shaft 1 - LT1

375 °C

Skip Side Shaft 1 - LT8

375 °C

Boundary Cycles - Lime Temperature - Skip Side Shaft 1

Type	Date	Time	Cycle	Value
LT1 - Min	2025-01-20	07:43:01	9940	350 °C
LT1 - Max	2025-01-23	07:37:26	10205	400 °C
LT8 - Min	2025-01-22	11:32:25	10127	150 °C
LT8 - Max	2025-01-24	15:12:46	10324	250 °C

Skip Side Shaft 2 - LT9

375 °C

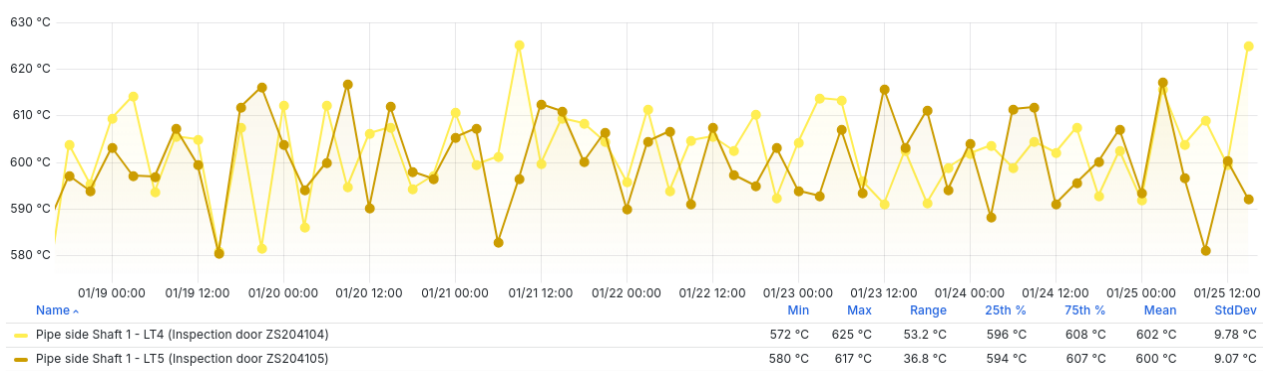
Skip Side Shaft 2 - LT16

375 °C

Boundary Cycles - Lime Temperature - Skip Side Shaft 2

Type	Date	Time	Cycle	Value
LT9 - Min	2025-01-19	17:20:02	9883	352 °C
LT9 - Max	2025-01-25	00:54:36	10362	400 °C
LT16 - Min	2025-01-19	01:59:22	9826	352 °C
LT16 - Max	2025-01-24	16:58:47	10331	399 °C

Lime Temperature - Pipe Side - Shaft 1



Pipe Side Shaft 1 - LT4

602 °C

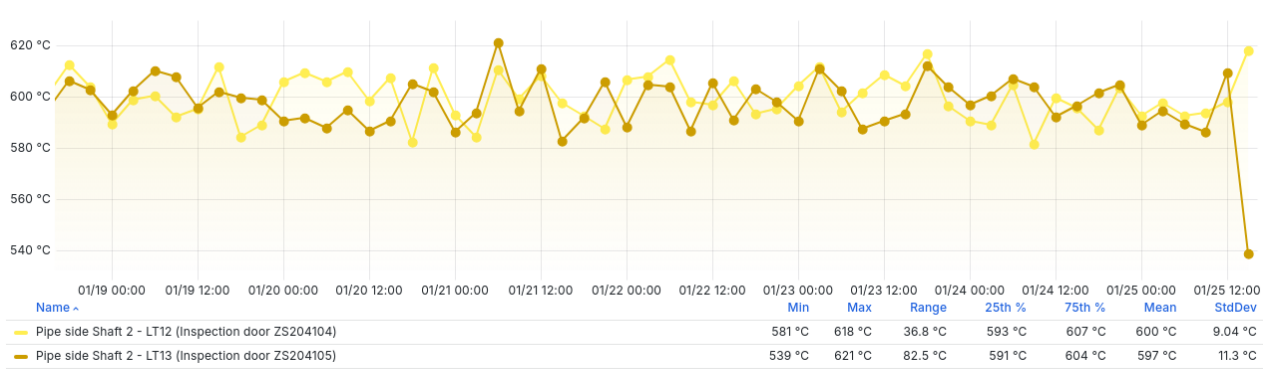
Pipe Side Shaft 1 - LT5

600 °C

Boundary Cycles - Lime Temperature - Pipe Side Shaft 1

Type	Date	Time	Cycle	Value
LT9 - Min	2025-01-19	17:20:02	9883	352 °C
LT9 - Max	2025-01-25	00:54:36	10362	400 °C
LT16 - Min	2025-01-19	01:59:22	9826	352 °C
LT16 - Max	2025-01-24	16:58:47	10331	399 °C

Lime Temperature - Pipe Side - Shaft 2



Pipe Side Shaft 2 - LT12

599 °C

Pipe Side Shaft 2 - LT13

598 °C

Boundary Cycles - Lime Temperature - Pipe Side Shaft 2

Type	Date	Time	Cycle	Value
LT9 - Min	2025-01-19	17:20:02	9883	352 °C
LT9 - Max	2025-01-25	00:54:36	10362	400 °C
LT16 - Min	2025-01-19	01:59:22	9826	352 °C
LT16 - Max	2025-01-24	16:58:47	10331	399 °C

9. Table

created_at	endpoint	cy	s	tcy	tco	ti	tstop	tfs	lscypv	lscysp	lcy	np	hcpv	hosp	fcypv	fcysp	ffpv	ffs
2025-01-25 16:06:50	19	10416	1	885	728	157	0	565	4039	4200	3108	304	4785	5000	59.6	60	98.3	101
2025-01-25 15:50:49	19	10415	2	961	724	237	0	635	4368	4200	3636	327	5149	5000	63.7	60	103	101
2025-01-25 15:36:29	19	10414	1	860	796	64.0	0	590	4013	4200	3105	312	5120	5000	64.4	60	99.2	101
2025-01-25 14:51:59	19	10413	2	936	782	153	1735	611	4384	4200	3594	116	5095	5000	59.0	60	102	101
2025-01-25 14:37:02	19	10412	1	896	779	117	0	614	4322	4200	3308	319	4928	5000	59.2	60	99.5	101
2025-01-25 14:21:25	19	10411	2	937	769	168	0	597	4213	4200	3246	299	4837	5000	56.1	60	95.9	101
2025-01-25 14:05:50	19	10410	1	936	785	151	0	610	4075	4200	3124	288	5205	5000	58.4	60	99.5	101
2025-01-25 13:51:07	19	10409	2	883	711	172	0	614	4295	4200	3411	334	4967	5000	60.1	60	97.0	101
2025-01-25 13:36:17	19	10408	1	890	742	148	0	582	4060	4200	3347	325	5160	5000	58.4	60	97.3	101
2025-01-25 13:20:44	19	10407	2	932	702	230	0	595	4020	4200	3182	295	5152	5000	60.9	60	94.8	101
2025-01-25 13:05:35	19	10406	1	909	684	225	0	614	3960	4200	3125	297	5385	5000	58.0	60	101	101
2025-01-25 12:50:25	19	10405	2	910	695	216	0	614	4176	4200	3404	323	5076	5000	60.2	60	98.9	101
2025-01-25 12:34:34	19	10404	1	951	770	181	0	616	4074	4200	3279	298	4912	5000	62.4	60	99.7	101
2025-01-25 12:10:02	19	10403	2	921	772	159	0	607	4101	4200	3122	301	4904	5000	59.9	60	102	101