

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
04-Sep 07:19	46.063	7.097	46.121	708.665	144.682	58.119	61.891	45.52	814.599	177.332	36.163
04-Sep 07:24	41.872	6.7	45.781	823.14	139.887	53.644	61.203	51.394	835.358	186.246	40.604
04-Sep 07:29	36.93	6.953	39.692	778.327	151.647	58.846	65.63	49.652	827.011	157.333	36.153
04-Sep 07:34	44.23	7.222	44.564	787.609	163.321	58.63	64.814	52.773	846.812	187.603	39.971
04-Sep 07:39	49.719	6.914	47.445	834.351	138.84	61.514	58.415	48.885	827.987	180.176	41.221
04-Sep 07:44	48.221	6.678	53.767	811.184	137.62	59.834	67.498	47.392	837.58	183.096	45.85
04-Sep 07:49	39.773	6.718	44.13	792.925	170.665	55.968	55.126	49.544	833.205	185.93	43.477
04-Sep 07:54	45.951	7.166	41.957	837.442	149.809	52.364	60.404	46.136	875.201	183.734	42.814
04-Sep 07:59	44.527	6.989	41.788	906.546	140.344	50.521	55.447	53.525	849.206	185.019	36.269
04-Sep 08:04	39.643	6.857	43.486	808.124	143.047	54.427	57.786	50.023	836.457	168.533	40.917
04-Sep 08:09	45.299	7.039	47.395	811.919	145.023	57.978	55.747	50.577	843.438	192.998	42.608
04-Sep 08:14	43.441	7.002	48.939	856.967	160.724	51.924	49.497	47.354	846.728	200.424	41.962
04-Sep 08:19	45.584	6.946	45.619	872.04	140.654	48.583	59.01	44.234	842.435	169.846	43.462
04-Sep 08:24	47.718	6.857	41.948	665.166	134.937	50.515	55.329	48.867	890.311	192.647	42.604
04-Sep 08:29	42.176	7.127	43.235	766.686	163.764	53.239	63.227	47.433	835.178	177.212	44.924
04-Sep 08:34	51.817	7.244	44.432	775.052	172.862	52.735	58.236	48.057	825.328	173.892	42.777
04-Sep 08:39	40.753	7.18	48.168	882.726	160.305	60.428	64.897	48.628	850.432	189.035	35.843
04-Sep 08:44	41.336	7.039	50.388	861.574	144.07	62.653	67.102	51.716	869.094	184.369	41.987
04-Sep 08:49	49.458	6.897	33.29	913.83	164.75	56.234	60.807	46.809	885.871	185.156	41.3
04-Sep 08:54	46.199	6.927	44.884	760.99	156.05	65.257	58.894	50.781	801.465	183.823	41.184
04-Sep 08:59	45.653	6.94	48.206	796.505	151.923	50.913	61.161	52.455	845.654	181.117	36.059
04-Sep 09:04	48.431	6.967	50.521	834.253	183.974	59.075	67.523	56.353	835.652	186.396	40.204
04-Sep 09:09	43.535	7.313	47.426	734.549	134.898	60.978	61.195	53.578	846.252	164.853	39.766
04-Sep 09:14	47.676	7.118	44.725	754.038	178.197	53.484	65.165	52.392	866.897	182.716	38.459
04-Sep 09:19	41.084	7.25	50.447	844.11	147.927	57.336	51.906	54.285	855.945	191.468	43.083
04-Sep 09:24	48.816	7.077	49.486	765.897	135.152	61.93	56.575	52.409	857.456	187.036	43.12
04-Sep 09:29	45.054	7.233	49.951	925.931	178.154	64.368	62.777	45.245	854.855	174.079	39.154
04-Sep 09:34	44.377	6.796	53.664	836.264	151.821	54.641	67.845	48.339	876.299	170.915	45.918
04-Sep 09:39	40.994	7.098	46.293	769.952	160.672	56.463	65.814	50.934	870.041	207.134	38.738
04-Sep 09:44	43.486	7.188	50.159	824.784	154.155	54.988	62.259	57.588	866.769	177.373	45.013
04-Sep 09:49	45.472	7.035	53.813	823.323	135.243	52.042	62.896	50.672	856.177	161.833	39.728
04-Sep 09:54	43.342	7.13	52.136	892.697	147.297	46.807	56.909	55.293	878.377	192.535	39.926
04-Sep 09:59	45.872	7.001	42.0	784.884	138.527	58.591	62.649	57.732	864.966	197.073	45.335
04-Sep 10:04	43.765	6.958	43.54	791.869	171.132	57.507	56.152	50.082	836.043	192.211	44.527
04-Sep 10:09	47.419	6.855	44.749	796.246	133.773	57.516	58.95	49.136	822.523	171.822	44.275
04-Sep 10:14	46.35	6.867	48.487	911.165	138.54	61.553	65.558	48.569	854.525	190.057	35.983
04-Sep 10:19	44.779	6.949	46.243	866.836	183.731	54.686	57.653	41.675	857.687	162.787	38.678
04-Sep 10:24	50.297	6.945	44.414	941.015	167.824	64.385	57.393	53.502	846.883	188.265	45.564
04-Sep 10:29	54.872	7.288	50.331	809.399	143.217	52.332	66.955	54.017	886.561	177.665	37.86
04-Sep 10:34	42.837	7.152	49.511	811.558	155.8	56.322	58.961	48.17	890.31	175.649	41.626
04-Sep 10:39	49.773	7.182	48.364	784.968	151.759	48.17	68.917	52.417	860.156	183.2	42.485
04-Sep 10:44	43.514	6.959	46.593	908.528	127.378	50.911	63.014	55.003	834.657	175.677	41.991
04-Sep 10:49	44.573	7.115	45.439	856.841	151.779	53.981	62.324	53.507	864.438	186.677	37.35
04-Sep 10:54	44.253	7.461	47.116	778.777	156.599	56.931	61.027	47.695	843.588	189.485	37.889

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
04-Sep 10:59	47.938	7.37	47.826	786.443	175.654	55.29	55.697	48.581	858.287	177.292	44.637
04-Sep 11:04	48.278	7.053	47.405	865.601	139.433	56.063	60.625	54.573	863.366	191.07	39.225
04-Sep 11:09	49.399	7.178	43.624	893.795	145.727	58.503	61.575	52.409	846.707	184.404	43.51
04-Sep 11:14	46.524	6.867	43.336	741.054	156.369	55.624	67.636	48.947	854.923	189.924	43.311
04-Sep 11:19	48.786	6.673	48.061	742.094	183.438	60.558	62.837	45.996	874.967	191.116	40.338
04-Sep 11:24	44.81	6.897	51.8	894.293	153.399	60.888	68.47	57.581	862.818	186.394	36.395
04-Sep 11:29	45.614	7.024	48.722	883.288	159.243	56.521	50.032	58.619	900.583	174.964	34.267
04-Sep 11:34	47.08	7.249	51.601	878.01	165.935	54.946	67.155	48.024	883.448	185.679	42.126
04-Sep 11:39	48.869	7.093	44.994	885.685	138.274	55.032	62.794	48.502	858.711	195.125	43.256
04-Sep 11:44	41.75	7.467	49.355	835.883	146.814	55.659	58.676	53.086	868.66	187.592	36.658
04-Sep 11:49	47.6	7.127	58.204	796.89	135.025	55.642	65.429	61.993	869.51	200.07	39.335
04-Sep 11:54	51.653	6.723	47.78	730.078	163.418	59.426	65.531	53.884	857.796	179.932	45.12
04-Sep 11:59	45.108	6.734	38.824	815.333	146.128	58.764	60.523	44.224	866.51	179.659	44.699
04-Sep 12:04	54.882	7.106	56.795	821.527	154.592	55.178	60.976	55.596	830.646	163.282	40.778
04-Sep 12:09	44.938	6.959	47.992	847.389	165.108	56.584	55.161	54.387	844.042	194.165	40.811
04-Sep 12:14	47.245	7.325	52.657	803.97	151.937	58.073	62.819	51.73	845.695	199.966	42.694
04-Sep 12:19	46.448	7.099	46.533	732.32	157.041	52.812	59.98	49.51	860.653	164.568	40.182
04-Sep 12:24	51.236	7.032	55.666	827.906	167.316	55.804	56.479	53.445	875.679	189.126	41.565
04-Sep 12:29	50.373	6.737	43.605	857.771	179.285	55.422	59.794	57.058	866.79	190.623	36.081
04-Sep 12:34	48.64	7.257	42.826	785.528	143.335	51.593	62.605	42.386	884.241	173.464	44.125
04-Sep 12:39	48.348	7.265	36.524	885.447	166.788	56.086	66.668	55.977	870.263	194.859	39.86
04-Sep 12:44	43.543	6.934	44.466	816.379	142.091	59.67	68.121	51.183	855.349	175.279	39.841
04-Sep 12:49	50.856	6.964	50.951	872.546	182.138	57.706	65.329	54.907	865.567	176.486	38.782
04-Sep 12:54	54.525	6.954	48.701	878.856	160.028	65.559	62.324	52.731	840.663	190.676	44.492
04-Sep 12:59	47.98	7.416	50.747	843.782	144.24	61.625	59.436	47.416	875.615	186.403	38.548
04-Sep 13:04	45.913	7.013	51.828	827.88	157.536	61.323	68.665	54.765	875.127	175.183	42.722
04-Sep 13:09	46.161	7.185	47.622	860.791	155.563	57.125	56.154	53.208	868.121	184.352	42.046
04-Sep 13:14	48.759	7.043	45.884	835.271	138.188	58.308	67.411	51.173	851.752	194.62	39.528
04-Sep 13:19	45.758	7.131	42.527	947.401	154.379	51.645	65.51	56.178	911.193	170.707	40.718
04-Sep 13:24	48.589	7.273	36.735	768.533	140.396	57.518	69.92	47.214	905.69	177.671	38.896
04-Sep 13:29	49.861	7.237	48.645	857.261	145.525	60.518	54.423	51.705	920.653	188.008	35.901
04-Sep 13:34	43.79	6.964	52.598	787.832	146.043	62.88	58.842	57.268	851.047	190.667	40.478
04-Sep 13:39	48.05	6.885	51.937	863.093	149.426	58.536	62.35	61.425	875.448	181.821	43.764
04-Sep 13:44	44.344	7.074	43.907	826.625	161.955	59.992	64.188	50.001	862.056	185.61	41.627
04-Sep 13:49	45.578	7.268	43.592	847.428	168.111	53.329	61.252	55.183	848.342	173.235	45.581
04-Sep 13:54	41.37	6.816	41.964	868.758	151.966	66.525	58.526	51.132	859.534	179.338	45.411
04-Sep 13:59	52.928	7.208	52.179	852.017	149.309	65.054	67.107	54.579	862.404	185.95	43.764
04-Sep 14:04	52.95	7.13	45.722	858.68	144.348	60.33	51.357	57.762	848.95	206.749	42.062
04-Sep 14:09	45.214	7.097	47.243	820.227	149.221	59.703	63.163	55.031	849.257	194.39	37.88
04-Sep 14:14	44.008	7.475	56.145	812.001	184.132	57.627	58.223	56.66	863.645	196.885	44.482
04-Sep 14:19	46.736	7.168	44.548	808.115	169.788	53.42	59.954	55.988	900.431	177.6	40.231
04-Sep 14:24	46.523	6.834	42.667	849.213	167.091	56.796	61.591	58.157	855.283	187.662	45.456
04-Sep 14:29	45.47	7.227	48.648	808.948	149.224	54.463	69.612	50.42	866.559	201.079	46.038
04-Sep 14:34	43.338	6.987	49.26	827.106	155.49	58.895	60.349	53.715	858.284	194.612	35.394

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
04-Sep 14:39	47.853	6.631	49.877	837.958	162.18	65.393	63.96	48.733	859.054	180.319	38.653
04-Sep 14:44	44.733	6.904	45.95	777.533	140.149	56.956	54.199	49.694	868.404	196.881	42.859
04-Sep 14:49	50.103	7.131	47.124	852.986	149.991	58.661	63.051	58.628	847.194	173.052	40.132
04-Sep 14:54	45.703	6.874	44.046	800.489	171.106	59.17	67.407	48.923	862.472	173.543	39.655
04-Sep 14:59	49.872	7.057	46.409	802.639	166.24	57.37	56.456	51.099	813.486	190.432	40.839
04-Sep 15:04	45.972	7.296	53.175	785.252	145.138	57.943	65.017	51.859	867.505	191.104	39.183
04-Sep 15:09	46.014	7.273	50.421	863.141	173.931	60.285	71.44	51.93	880.717	186.475	41.566
04-Sep 15:14	47.59	7.105	44.947	879.556	164.789	55.996	59.036	51.601	867.317	188.837	43.241
04-Sep 15:19	46.399	7.229	56.499	849.684	145.546	60.323	63.743	55.867	874.645	171.973	35.299
04-Sep 15:24	44.23	6.887	40.349	720.664	169.477	59.666	58.93	54.289	883.095	171.848	40.936
04-Sep 15:29	50.836	7.193	55.748	818.246	178.781	58.541	65.128	44.916	882.838	190.891	43.619
04-Sep 15:34	47.703	7.119	43.803	824.793	170.16	54.035	66.208	41.88	848.344	192.533	41.418
04-Sep 15:39	43.865	6.967	48.672	841.204	155.661	53.285	59.269	48.724	829.693	173.714	45.846
04-Sep 15:44	44.049	6.901	46.497	796.774	147.456	57.607	64.024	54.513	828.768	196.716	40.916
04-Sep 15:49	46.374	6.94	45.722	801.21	151.113	56.232	63.331	52.13	872.215	176.897	42.66
04-Sep 15:54	45.827	6.829	48.457	773.411	179.458	58.97	61.501	53.106	854.147	183.981	42.368
04-Sep 15:59	45.204	6.783	49.967	884.568	189.276	53.89	59.804	53.233	870.528	200.42	40.096
04-Sep 16:04	42.828	7.197	49.636	845.173	152.956	58.633	57.466	49.248	855.809	191.925	43.689
04-Sep 16:09	50.708	7.199	51.125	795.207	130.432	55.582	63.774	48.169	883.429	191.654	37.976
04-Sep 16:14	45.429	7.348	47.587	820.592	144.338	59.792	70.014	50.73	857.468	190.194	40.365
04-Sep 16:19	48.891	7.352	40.973	798.641	143.917	60.085	59.303	50.808	869.678	172.134	35.796
04-Sep 16:24	47.128	7.165	37.902	780.431	165.532	47.227	57.972	49.959	851.779	203.702	42.251
04-Sep 16:29	50.912	6.845	50.167	871.928	157.258	58.161	63.442	54.144	845.957	161.851	43.473
04-Sep 16:34	44.111	7.377	50.549	849.461	148.432	57.505	66.476	55.882	843.196	197.96	39.544
04-Sep 16:39	43.731	7.353	44.735	829.919	167.814	57.488	60.06	48.288	847.353	181.194	41.377
04-Sep 16:44	47.507	6.862	44.404	819.13	177.389	54.963	60.651	54.473	834.609	193.199	42.205
04-Sep 16:49	48.161	6.721	52.342	871.465	144.449	60.672	61.129	51.391	860.074	170.429	43.461
04-Sep 16:54	48.295	7.131	48.624	885.777	137.698	52.265	65.446	60.52	844.834	191.281	42.111
04-Sep 16:59	50.203	6.908	46.787	856.811	132.105	52.329	68.481	55.973	844.547	178.485	39.561
04-Sep 17:04	46.609	6.757	41.458	811.045	148.216	51.371	57.793	51.448	863.956	159.82	38.5
04-Sep 17:09	44.747	7.089	50.494	809.062	144.91	52.047	62.778	51.722	879.616	188.976	36.723
04-Sep 17:14	46.501	6.939	33.101	687.713	142.192	51.9	51.951	50.27	848.293	183.676	39.687
04-Sep 17:19	50.435	7.223	44.704	859.928	165.424	55.703	55.579	57.536	844.454	201.369	39.514
04-Sep 17:24	44.291	7.09	43.422	867.643	144.056	57.795	63.687	51.746	914.015	179.635	43.663
04-Sep 17:29	46.272	6.97	43.252	888.1	159.64	59.824	63.393	55.69	859.634	179.162	37.899
04-Sep 17:34	42.524	6.892	49.837	801.883	151.637	51.214	58.218	49.567	814.406	184.613	39.578
04-Sep 17:39	44.642	6.843	46.574	834.889	162.159	52.867	62.215	50.937	851.439	188.261	40.644
04-Sep 17:44	44.387	7.274	51.01	857.767	163.548	55.469	60.159	59.698	829.579	169.209	36.959
04-Sep 17:49	45.699	7.231	40.399	867.004	134.298	57.281	54.951	50.218	841.009	182.131	41.298
04-Sep 17:54	45.79	6.951	44.025	823.002	144.326	51.351	66.601	54.102	873.893	178.097	38.229
04-Sep 17:59	48.341	7.374	48.233	797.958	157.919	62.237	64.785	47.836	846.902	177.391	41.522
04-Sep 18:04	48.101	7.209	49.162	763.49	163.411	53.226	56.556	44.68	828.576	191.321	39.776
04-Sep 18:09	43.982	6.841	47.508	707.689	119.009	49.172	57.157	46.558	882.89	175.754	39.899
04-Sep 18:14	46.995	6.811	52.077	750.48	175.475	52.788	64.944	38.637	848.387	186.816	42.189

Timestamp	Sulphonation										
	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
04-Sep 18:19	45.92	6.678	40.083	840.33	166.508	52.976	65.511	54.695	809.688	204.519	40.311
04-Sep 18:24	40.207	6.77	48.019	829.44	145.291	57.719	58.6	52.047	845.199	184.466	36.135
04-Sep 18:29	44.625	6.753	40.721	670.533	174.002	59.308	65.552	49.212	860.822	163.45	35.791
04-Sep 18:34	50.984	6.733	49.686	811.789	157.776	53.171	58.532	46.415	826.482	182.328	39.81
04-Sep 18:39	45.692	7.009	49.949	797.131	174.61	57.023	64.542	52.283	848.823	170.565	43.807
04-Sep 18:44	45.666	7.18	46.707	794.784	168.673	54.583	60.318	47.472	877.294	173.72	37.788
04-Sep 18:49	43.315	6.952	40.383	878.075	161.091	55.804	58.98	46.65	809.655	195.966	39.751
04-Sep 18:54	49.248	7.012	51.414	744.966	157.449	57.16	60.762	44.901	852.119	172.576	45.834
04-Sep 18:59	53.581	7.267	47.834	744.472	143.625	55.697	61.281	45.929	835.815	178.755	42.997
04-Sep 19:04	48.526	7.028	54.838	832.81	138.379	61.436	62.583	56.17	844.723	171.86	40.577
04-Sep 19:09	45.979	6.99	46.926	867.433	139.955	60.036	59.575	47.362	850.765	180.282	33.892
04-Sep 19:14	40.259	7.183	50.893	854.392	141.597	53.801	63.432	50.279	848.997	165.255	41.681
04-Sep 19:19	45.959	7.129	31.926	781.073	127.596	55.007	58.202	50.835	849.562	170.021	36.303
04-Sep 19:24	48.766	7.371	48.217	827.356	144.532	58.509	53.08	51.511	863.11	195.033	36.868
04-Sep 19:29	45.781	7.181	49.879	777.849	154.24	53.709	58.817	53.255	878.281	177.898	47.038
04-Sep 19:34	44.504	7.299	43.83	724.6	161.621	55.335	61.378	45.697	832.962	175.192	38.726
04-Sep 19:39	41.382	6.95	39.722	842.713	159.517	55.908	58.721	50.664	862.688	186.175	37.248
04-Sep 19:44	45.415	7.156	48.913	705.883	163.452	62.342	63.982	52.603	837.788	199.04	41.197
04-Sep 19:49	50.603	6.883	43.577	847.965	152.237	58.037	62.851	44.89	854.953	186.815	38.219
04-Sep 19:54	45.281	6.8	48.673	820.121	148.224	55.73	59.725	53.62	864.076	181.424	40.553
04-Sep 19:59	43.104	6.977	33.948	883.452	139.357	50.117	61.899	57.318	857.763	179.405	39.484
04-Sep 20:04	41.018	7.104	47.406	684.789	139.692	54.723	57.551	45.38	871.467	166.722	38.787
04-Sep 20:09	45.907	6.734	49.785	718.656	171.563	54.004	62.552	49.765	838.663	163.452	36.51
04-Sep 20:14	42.767	7.016	45.191	840.775	158.957	54.011	63.953	51.652	849.762	179.635	41.252
04-Sep 20:19	43.877	6.891	42.445	805.842	148.602	56.435	60.763	50.965	838.28	188.76	41.632
04-Sep 20:24	49.314	6.815	48.295	649.412	161.152	51.446	57.462	47.616	840.725	179.224	40.167
04-Sep 20:29	39.585	7.012	41.958	888.396	155.801	45.464	60.797	54.239	852.809	157.096	37.829
04-Sep 20:34	39.069	6.527	39.533	710.608	156.006	53.77	63.668	48.172	846.651	169.378	38.126
04-Sep 20:39	44.34	6.755	45.168	828.369	160.618	51.284	56.054	44.151	868.936	174.286	35.193
04-Sep 20:44	42.582	7.2	38.01	783.749	122.658	53.691	59.739	42.903	834.019	188.782	43.494
04-Sep 20:49	43.794	6.976	44.534	796.95	151.105	51.944	60.918	41.652	857.41	171.262	37.012
04-Sep 20:54	44.712	6.925	36.737	743.809	149.504	54.182	57.711	58.165	840.713	150.566	39.463
04-Sep 20:59	42.851	6.909	43.624	730.018	159.074	52.299	63.823	46.76	865.533	168.094	39.687
04-Sep 21:04	46.699	7.079	36.473	726.442	133.272	53.01	65.185	47.774	872.431	183.443	38.562
04-Sep 21:09	42.971	6.556	38.458	881.467	149.568	56.494	57.985	49.763	869.514	204.569	38.314
04-Sep 21:14	39.59	6.626	53.988	778.407	154.38	44.714	56.928	54.025	797.232	168.537	29.872
04-Sep 21:19	48.574	6.863	47.444	770.075	152.228	59.899	54.357	47.274	846.631	200.517	37.215
04-Sep 21:24	42.274	7.08	39.11	794.759	148.304	64.091	52.974	47.565	839.411	175.713	38.338
04-Sep 21:29	42.778	7.181	45.307	834.709	139.401	58.927	60.804	41.079	872.006	169.856	37.531
04-Sep 21:34	45.141	7.034	35.684	749.244	142.472	53.269	51.281	56.999	847.733	167.518	39.295
04-Sep 21:39	39.869	6.813	45.531	750.007	161.924	48.062	60.34	50.37	821.196	184.362	39.17
04-Sep 21:44	43.807	7.157	45.718	758.384	155.837	51.826	63.063	41.135	795.791	179.255	37.488
04-Sep 21:49	40.203	7.086	42.814	719.331	172.426	50.594	54.535	45.215	833.278	180.883	40.738
04-Sep 21:54	47.743	6.73	44.544	767.756	144.704	50.605	51.411	51.498	844.935	177.209	43.185

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
04-Sep 21:59	43.502	7.086	43.181	780.293	128.662	61.129	58.063	49.988	846.062	162.665	40.561
04-Sep 22:04	40.588	6.888	44.796	908.12	150.821	52.428	57.545	46.618	852.12	175.022	37.6
04-Sep 22:09	41.738	7.03	43.098	766.456	123.934	52.816	58.852	50.434	840.849	165.635	40.873
04-Sep 22:14	38.448	6.712	44.741	868.181	153.577	57.434	62.647	41.165	840.303	168.249	37.557
04-Sep 22:19	45.217	6.826	43.966	706.287	153.475	56.888	61.128	51.197	806.01	184.397	37.108
04-Sep 22:24	39.956	6.912	43.677	770.728	172.187	46.997	60.428	48.491	837.802	166.427	37.135
04-Sep 22:29	39.54	7.016	36.968	796.519	150.065	52.155	60.677	41.468	790.267	185.592	38.381
04-Sep 22:34	40.549	6.758	45.502	740.604	169.014	52.469	58.682	57.478	841.633	165.673	35.069
04-Sep 22:39	43.815	6.996	43.913	758.563	119.893	54.474	62.649	42.031	832.953	164.354	34.112
04-Sep 22:44	44.304	6.806	40.701	800.333	161.893	56.092	55.951	52.738	862.127	202.522	39.242
04-Sep 22:49	43.066	6.936	45.446	786.919	135.546	55.546	57.622	57.197	842.262	170.615	41.598
04-Sep 22:54	42.437	7.024	38.573	780.263	160.332	48.842	54.537	54.358	866.348	182.655	36.873
04-Sep 22:59	40.06	6.913	42.871	793.332	153.638	51.803	55.321	45.319	862.876	163.483	35.939
04-Sep 23:04	42.625	6.713	49.19	782.732	172.027	53.094	57.9	45.435	844.118	181.726	32.26
04-Sep 23:09	43.763	6.838	43.13	777.095	149.405	54.38	58.883	51.337	846.5	174.97	41.149
04-Sep 23:14	39.697	6.362	33.531	804.583	153.539	53.599	59.557	46.173	834.645	178.964	32.354
04-Sep 23:19	41.548	7.191	45.963	838.323	152.845	54.812	57.105	52.267	855.388	164.364	39.512
04-Sep 23:24	43.051	6.926	44.659	839.285	142.653	47.253	60.497	44.622	828.742	160.613	42.723
04-Sep 23:29	48.616	6.902	40.492	753.225	134.841	45.387	59.519	49.733	821.133	185.393	35.629
04-Sep 23:34	38.533	7.155	33.026	821.772	150.52	52.27	57.38	44.755	822.249	183.034	39.542
04-Sep 23:39	49.15	6.905	45.14	786.065	163.514	52.767	58.997	42.668	799.389	179.051	42.166
04-Sep 23:44	43.904	7.288	41.818	698.591	129.538	51.076	63.481	47.426	814.477	148.889	35.634
04-Sep 23:49	42.323	6.954	40.083	730.863	168.651	53.999	56.468	47.816	845.28	181.563	44.298
04-Sep 23:54	44.918	7.111	43.806	689.775	135.867	50.709	46.273	50.785	838.201	181.409	42.453
04-Sep 23:59	45.745	6.628	43.985	769.352	147.397	54.175	54.338	50.498	835.528	179.402	41.408
05-Sep 00:04	40.67	6.863	44.467	827.231	145.118	54.688	44.807	42.721	847.821	193.619	36.886
05-Sep 00:09	40.404	6.884	33.786	731.027	134.812	49.645	61.656	53.364	876.503	186.381	39.174
05-Sep 00:14	41.067	6.885	47.336	720.942	152.168	46.313	59.416	43.395	835.915	163.603	34.862
05-Sep 00:19	49.129	6.89	44.598	759.257	130.327	52.301	62.966	50.961	826.205	187.717	41.737
05-Sep 00:24	43.699	7.082	41.64	702.9	148.872	51.806	60.482	48.292	819.367	181.791	35.92
05-Sep 00:29	39.664	6.786	50.661	761.31	144.713	56.447	56.676	43.572	846.743	180.282	34.697
05-Sep 00:34	41.795	7.186	42.164	778.348	136.709	50.268	56.564	46.965	852.099	176.267	37.651
05-Sep 00:39	44.876	7.322	34.478	865.469	121.557	51.314	60.53	51.199	827.217	177.205	36.251
05-Sep 00:44	39.318	7.098	33.339	815.301	130.449	55.576	57.628	51.936	822.754	174.404	43.759
05-Sep 00:49	38.867	6.636	41.193	800.262	128.815	53.989	59.965	50.727	859.662	182.035	34.821
05-Sep 00:54	40.508	6.64	44.697	655.162	156.229	49.786	51.279	53.147	838.014	169.364	34.785
05-Sep 00:59	40.185	6.625	41.796	721.631	150.861	48.87	57.214	47.792	812.619	172.543	33.688
05-Sep 01:04	42.771	6.723	39.1	790.998	127.918	55.791	63.218	52.999	825.955	154.431	34.002
05-Sep 01:09	44.443	6.647	41.756	783.983	147.486	48.958	55.174	42.106	847.857	168.269	34.339
05-Sep 01:14	38.768	7.199	43.035	716.758	142.765	58.306	49.868	43.83	843.184	181.944	39.058
05-Sep 01:19	46.464	6.986	42.309	777.327	141.309	53.433	59.427	49.9	849.422	169.598	40.345
05-Sep 01:24	43.566	6.96	44.638	678.96	140.14	51.176	55.538	46.709	830.346	170.775	39.474
05-Sep 01:29	41.611	7.085	41.746	865.351	121.211	52.973	62.83	49.839	867.142	172.314	35.5
05-Sep 01:34	49.041	7.247	41.174	858.411	150.549	58.274	55.412	46.827	856.519	178.035	36.272

Timestamp	Sulphonation										
	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
05-Sep 01:39	44.654	7.029	44.174	768.353	154.393	47.857	59.88	57.629	814.89	186.951	43.812
05-Sep 01:44	45.409	7.195	43.518	753.198	154.572	49.523	56.797	43.854	843.475	180.994	36.844
05-Sep 01:49	43.119	7.011	35.317	862.166	143.243	52.665	56.123	47.632	824.99	167.557	34.464
05-Sep 01:54	38.932	6.771	40.911	716.691	146.253	52.185	61.984	50.531	854.647	166.751	40.385
05-Sep 01:59	45.282	6.829	34.87	856.204	137.782	53.826	53.237	43.537	810.305	181.972	32.942
05-Sep 02:04	43.28	7.086	39.994	768.772	174.954	55.218	60.432	48.385	872.681	173.312	33.741
05-Sep 02:09	44.003	7.234	41.732	747.203	134.276	56.5	61.453	44.365	875.627	157.433	32.687
05-Sep 02:14	44.394	6.719	45.737	790.383	153.924	52.356	62.301	41.555	821.121	174.481	34.779
05-Sep 02:19	39.079	6.779	48.255	728.515	151.391	57.442	66.551	52.277	856.832	169.14	39.211
05-Sep 02:24	42.357	6.812	44.618	863.251	113.131	52.585	59.539	45.711	844.251	175.421	40.193
05-Sep 02:29	39.844	6.789	39.9	734.711	148.2	55.925	64.207	42.447	837.367	170.827	37.195
05-Sep 02:34	44.479	6.836	42.324	826.107	111.662	56.713	64.907	48.883	842.566	166.71	32.998
05-Sep 02:39	43.746	6.944	46.297	728.49	128.076	51.085	52.352	53.879	851.989	163.085	41.377
05-Sep 02:44	42.429	7.072	40.331	830.866	129.577	54.634	54.252	48.832	855.681	176.123	40.448
05-Sep 02:49	38.015	6.641	42.61	792.398	154.975	49.154	55.044	45.47	866.49	171.312	34.846
05-Sep 02:54	40.437	7.505	35.458	794.754	103.746	51.627	62.061	43.421	849.754	162.412	33.592
05-Sep 02:59	42.962	6.796	44.735	727.998	127.089	53.399	66.719	52.416	845.465	159.076	39.657
05-Sep 03:04	42.702	6.906	41.892	874.202	148.1	50.392	60.224	49.622	845.695	174.133	31.901
05-Sep 03:09	38.799	6.899	58.429	706.694	116.392	59.123	61.222	49.198	864.356	176.355	43.22
05-Sep 03:14	50.538	6.971	36.114	822.702	156.332	54.35	56.35	47.854	868.794	182.165	36.798
05-Sep 03:19	44.204	6.478	44.042	793.026	135.272	46.57	61.673	47.931	836.601	183.681	34.768
05-Sep 03:24	42.952	6.794	46.148	760.815	163.508	56.644	61.405	49.666	843.029	175.96	31.72
05-Sep 03:29	38.328	6.929	41.958	825.9	136.28	56.306	52.51	42.529	853.508	176.229	33.868
05-Sep 03:34	47.228	6.704	36.474	836.045	111.075	54.336	55.31	53.445	842.946	167.896	42.201
05-Sep 03:39	48.837	6.579	37.698	691.84	135.151	53.723	62.205	48.987	861.454	182.194	34.27
05-Sep 03:44	40.234	6.845	45.746	728.711	142.377	55.331	61.094	49.113	814.684	172.516	37.399
05-Sep 03:49	45.607	6.743	41.413	784.577	124.594	57.145	51.513	50.343	817.369	185.789	35.699
05-Sep 03:54	43.35	6.957	43.854	802.296	113.509	50.501	49.707	50.896	872.955	169.795	36.326
05-Sep 03:59	46.622	6.804	43.627	862.204	145.86	54.191	55.928	54.496	843.173	178.763	38.995
05-Sep 04:04	44.042	6.779	34.427	875.436	150.734	55.188	59.294	48.298	875.635	189.626	39.136
05-Sep 04:09	43.447	6.861	48.191	740.853	129.411	49.235	63.262	48.857	904.597	176.334	39.809
05-Sep 04:14	47.395	6.533	38.816	779.1	152.048	49.613	56.326	43.048	835.669	184.934	41.432
05-Sep 04:19	40.248	6.823	36.562	852.366	146.525	51.044	61.325	45.398	842.832	193.432	39.119
05-Sep 04:24	44.195	6.875	44.79	837.183	151.479	50.039	66.814	47.112	857.519	194.398	37.771
05-Sep 04:29	43.125	7.033	39.81	772.776	171.327	53.006	55.542	54.462	857.731	167.815	38.914
05-Sep 04:34	43.241	7.019	46.706	814.899	148.782	52.047	64.232	39.694	791.133	179.86	39.762
05-Sep 04:39	42.262	6.833	43.417	892.046	146.787	49.214	57.043	56.419	845.86	166.478	38.172
05-Sep 04:44	48.97	6.556	42.888	720.819	132.622	54.61	60.767	53.164	834.512	178.367	40.377
05-Sep 04:49	46.262	6.716	45.844	783.078	157.833	65.347	67.689	41.377	837.155	190.51	40.894
05-Sep 04:54	39.286	7.028	49.876	808.69	130.057	49.998	53.599	46.03	828.055	182.861	40.266
05-Sep 04:59	47.375	6.722	44.89	831.431	157.264	49.167	60.802	51.079	863.066	180.498	41.364
05-Sep 05:04	44.28	6.778	43.744	873.233	161.404	48.892	60.491	47.047	830.634	176.43	43.256
05-Sep 05:09	41.449	6.707	43.679	809.855	148.972	47.895	55.47	40.518	853.093	165.698	41.936
05-Sep 05:14	41.118	6.887	54.968	841.917	149.941	55.301	59.459	47.545	833.059	178.687	39.024

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
05-Sep 05:19	47.375	7.009	41.623	794.389	138.492	52.73	55.595	53.101	855.909	190.356	43.594
05-Sep 05:24	45.953	6.677	45.394	788.339	139.555	50.777	61.634	45.034	847.888	190.69	42.196
05-Sep 05:29	40.982	6.727	54.014	787.88	110.289	55.697	58.358	46.469	861.07	161.751	39.567
05-Sep 05:34	41.051	6.936	40.179	857.611	158.343	52.328	59.192	53.938	876.811	173.352	41.038
05-Sep 05:39	45.614	6.475	42.924	788.684	129.559	61.21	58.578	52.23	832.201	178.078	35.49
05-Sep 05:44	45.579	6.705	39.354	789.613	125.663	54.857	61.871	52.688	842.242	192.701	37.712
05-Sep 05:49	44.542	7.255	35.972	783.538	137.921	50.965	57.173	53.051	858.983	190.016	38.332
05-Sep 05:54	39.304	6.736	45.422	810.445	160.12	54.751	54.942	47.304	882.408	188.2	39.494
05-Sep 05:59	42.501	6.953	38.866	819.961	137.255	48.55	56.151	52.561	863.528	175.614	38.383
05-Sep 06:04	44.56	7.374	46.786	866.574	131.062	51.847	53.866	51.074	843.023	182.314	35.309
05-Sep 06:09	42.638	6.875	52.037	740.311	156.814	57.853	59.648	44.201	854.691	174.912	34.043
05-Sep 06:14	40.556	6.874	40.577	735.827	164.666	47.337	63.818	48.702	853.795	181.571	36.96
05-Sep 06:19	44.142	6.843	38.213	830.135	146.32	56.326	63.716	44.39	822.831	195.926	40.206
05-Sep 06:24	40.427	6.809	47.147	743.553	130.184	53.544	63.88	50.363	807.17	169.946	39.892
05-Sep 06:29	39.908	6.735	41.996	750.293	153.06	49.13	55.343	55.059	846.886	162.946	38.567
05-Sep 06:34	39.629	7.013	53.243	749.269	153.88	53.657	59.952	51.917	834.1	176.274	47.713
05-Sep 06:39	45.663	6.896	41.287	858.649	150.308	50.119	59.726	46.901	848.163	158.164	37.076
05-Sep 06:44	43.952	6.711	38.864	708.292	150.847	53.375	51.783	51.818	839.674	177.787	36.852
05-Sep 06:49	39.291	7.102	41.98	776.738	124.844	55.168	66.723	47.169	854.955	185.746	39.895
05-Sep 06:54	38.302	7.161	35.019	834.935	147.269	52.676	58.085	43.851	858.191	177.41	35.797
05-Sep 06:59	42.146	7.019	47.442	830.543	141.877	60.123	61.81	44.976	831.267	160.634	44.716
05-Sep 07:04	46.475	7.188	52.385	806.369	142.926	53.408	63.749	46.674	856.133	176.79	41.593
05-Sep 07:09	35.762	6.871	46.614	803.574	151.296	57.241	53.189	42.876	833.093	159.655	41.975
05-Sep 07:14	45.919	7.078	48.787	827.685	109.739	56.483	58.727	54.832	864.442	190.682	47.199
05-Sep 07:19	41.095	7.299	47.75	773.404	174.428	54.913	59.963	52.17	841.098	184.538	37.084
05-Sep 07:24	45.317	7.124	44.102	793.927	127.349	57.363	60.161	50.681	881.033	178.752	39.237
05-Sep 07:29	43.228	7.171	44.578	868.588	175.25	61.629	57.969	53.752	859.019	175.07	43.183
05-Sep 07:34	47.784	6.971	48.159	785.182	169.834	54.982	55.004	50.585	867.307	167.373	44.041
05-Sep 07:39	43.739	7.273	46.981	888.537	157.907	57.494	48.946	44.447	858.585	177.161	36.851
05-Sep 07:44	45.972	6.98	48.035	785.201	114.882	57.012	63.839	49.74	842.621	177.329	41.301
05-Sep 07:49	45.031	6.956	48.664	876.291	144.863	58.598	49.864	48.152	860.301	188.742	44.461
05-Sep 07:54	44.631	7.092	50.657	843.802	138.472	57.942	65.592	46.057	865.537	192.611	46.274
05-Sep 07:59	45.408	6.73	46.543	773.532	144.185	60.506	62.359	49.013	867.482	184.933	42.156
05-Sep 08:04	52.787	7.146	51.574	918.327	161.995	50.933	57.933	49.772	839.585	176.879	39.622
05-Sep 08:09	49.522	6.781	46.399	863.706	157.989	53.22	58.222	49.051	884.754	174.842	39.574
05-Sep 08:14	42.469	7.235	42.488	855.386	151.54	51.054	59.75	55.769	843.229	169.042	42.938
05-Sep 08:19	46.998	7.12	49.889	867.083	128.972	59.762	62.483	50.341	842.165	176.86	40.503
05-Sep 08:24	49.581	6.896	44.175	884.569	143.472	55.471	65.882	55.521	832.724	172.652	31.053
05-Sep 08:29	48.181	7.295	45.286	801.913	145.776	59.54	66.421	52.103	854.982	182.454	38.951
05-Sep 08:34	46.928	6.964	42.517	829.232	112.266	52.625	59.969	47.381	861.738	188.942	31.87
05-Sep 08:39	43.205	6.936	45.069	792.22	116.479	60.649	64.703	50.895	840.643	158.715	44.2
05-Sep 08:44	42.899	6.676	45.379	846.981	150.299	53.378	57.611	48.171	844.32	163.637	44.039
05-Sep 08:49	46.856	6.794	50.802	839.363	176.938	53.38	64.217	49.54	838.254	184.128	46.81
05-Sep 08:54	48.146	6.806	52.172	828.961	159.362	58.437	58.071	52.468	876.199	177.197	38.053

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
05-Sep 08:59	52.757	6.836	47.602	725.749	154.823	52.02	60.625	51.645	862.527	175.189	37.58
05-Sep 09:04	45.319	7.2	36.469	842.025	152.666	54.875	51.691	54.356	843.938	165.395	37.538
05-Sep 09:09	52.782	7.157	42.614	803.806	176.526	60.891	58.789	48.509	845.672	169.011	38.967
05-Sep 09:14	48.588	7.037	60.658	753.562	150.413	54.04	63.195	53.096	871.691	170.353	46.129
05-Sep 09:19	44.374	7.309	52.599	871.042	144.589	57.178	61.862	58.754	855.477	178.412	37.076
05-Sep 09:24	51.16	7.156	38.324	846.365	126.025	54.229	61.095	46.2	817.049	193.016	36.265
05-Sep 09:29	43.798	6.825	39.641	881.662	148.792	53.511	61.653	49.124	848.859	203.767	40.315
05-Sep 09:34	47.957	6.991	29.857	847.34	154.205	60.926	59.371	57.984	893.738	181.173	38.228
05-Sep 09:39	45.342	7.001	45.785	775.775	152.105	63.198	63.827	55.976	860.238	192.38	42.136
05-Sep 09:44	44.119	6.903	49.698	805.74	145.762	55.89	56.269	51.298	868.386	179.036	40.924
05-Sep 09:49	48.937	6.902	45.267	753.07	169.286	60.721	56.878	51.742	878.529	199.148	45.63
05-Sep 09:54	46.812	6.95	49.39	882.997	126.342	60.235	68.289	48.382	854.491	189.053	36.306
05-Sep 09:59	46.711	7.283	44.482	774.353	158.468	61.995	58.086	45.644	838.919	181.673	46.168
05-Sep 10:04	44.579	6.855	45.42	777.921	166.725	56.758	62.633	48.445	863.772	188.804	42.204
05-Sep 10:09	47.588	7.029	48.879	794.525	170.195	55.764	62.568	49.183	864.912	184.707	40.433
05-Sep 10:14	44.529	7.032	42.48	770.199	156.31	58.898	58.7	54.912	848.287	175.137	40.833
05-Sep 10:19	44.952	7.054	44.374	818.943	155.64	58.997	63.938	47.197	877.965	173.867	46.251
05-Sep 10:24	47.288	7.474	41.745	821.519	166.091	60.061	58.098	46.205	846.564	196.781	42.84
05-Sep 10:29	52.62	7.199	50.119	960.212	155.978	56.843	60.955	53.479	874.077	195.886	42.964
05-Sep 10:34	53.115	6.867	41.473	791.49	149.635	55.747	64.609	51.69	866.647	190.146	39.558
05-Sep 10:39	42.75	7.213	44.107	806.874	168.526	56.334	66.721	52.785	856.318	175.312	44.631
05-Sep 10:44	49.727	7.192	45.706	847.041	149.64	58.79	54.753	50.321	860.492	181.151	40.932
05-Sep 10:49	49.816	6.574	52.446	885.754	138.521	60.009	61.511	46.584	881.492	192.053	42.469
05-Sep 10:54	46.142	6.955	42.321	870.396	147.872	54.714	64.777	48.685	798.341	189.04	46.099
05-Sep 10:59	47.391	7.303	52.513	818.511	155.897	47.293	63.414	55.559	853.671	200.756	42.386
05-Sep 11:04	46.721	7.512	48.611	916.912	135.898	58.35	60.512	51.556	870.341	175.505	43.545
05-Sep 11:09	44.024	7.159	54.735	735.418	161.837	55.689	59.405	57.984	880.138	172.193	39.255
05-Sep 11:14	48.513	6.776	58.35	795.151	162.219	56.257	64.554	50.676	885.346	172.19	41.668
05-Sep 11:19	48.693	6.611	46.41	819.717	149.596	61.456	59.724	57.319	863.234	190.302	43.792
05-Sep 11:24	46.021	7.226	44.542	764.66	139.457	61.042	65.537	51.86	865.744	168.259	42.763
05-Sep 11:29	49.676	6.881	51.535	810.33	177.799	58.329	60.963	53.839	843.372	201.232	39.865
05-Sep 11:34	44.603	7.009	46.551	752.716	154.129	61.249	61.423	51.648	848.644	195.887	39.687
05-Sep 11:39	47.985	6.949	45.733	873.868	184.035	55.861	61.327	49.844	871.968	183.873	40.524
05-Sep 11:44	45.463	7.136	50.394	814.752	118.815	56.252	65.168	48.302	858.874	193.282	45.708
05-Sep 11:49	46.53	7.033	42.72	863.917	142.446	58.175	58.593	44.465	855.785	201.25	44.223
05-Sep 11:54	50.432	7.246	55.538	816.972	143.192	57.406	66.862	55.421	882.398	186.339	44.203
05-Sep 11:59	49.916	7.019	46.191	731.893	154.004	59.618	65.708	44.721	876.344	194.697	46.573
05-Sep 12:04	47.519	7.197	36.451	787.041	155.189	61.138	63.685	54.44	866.532	186.949	38.092
05-Sep 12:09	46.953	7.443	48.643	753.783	154.568	60.794	64.269	57.473	833.893	208.716	37.172
05-Sep 12:14	46.089	7.025	55.771	868.91	162.446	51.418	67.984	55.643	864.6	187.07	45.321
05-Sep 12:19	44.937	6.965	41.11	801.349	150.564	62.205	66.797	51.215	888.897	183.582	42.057
05-Sep 12:24	43.882	7.068	50.272	820.665	148.472	52.251	63.983	45.487	851.373	175.801	36.509
05-Sep 12:29	48.841	7.219	40.282	818.488	156.322	52.443	60.909	49.108	837.005	167.155	35.988
05-Sep 12:34	41.499	7.206	43.58	846.969	151.344	63.405	60.473	49.988	880.163	176.627	42.902

Timestamp	Sulphonation										
	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
05-Sep 12:39	45.867	7.061	57.485	826.101	182.458	59.725	62.456	51.641	876.388	172.405	39.14
05-Sep 12:44	42.034	6.913	53.18	807.893	143.664	54.106	59.807	49.393	898.026	198.5	37.67
05-Sep 12:49	44.929	7.426	48.91	869.743	171.54	59.109	64.43	57.885	871.121	181.184	46.364
05-Sep 12:54	44.047	7.057	47.515	839.621	157.213	53.25	64.214	51.039	835.585	190.041	40.228
05-Sep 12:59	46.306	6.937	48.05	774.586	141.477	60.518	53.243	55.741	874.042	181.091	45.969
05-Sep 13:04	41.696	6.965	49.273	812.747	139.275	59.055	54.046	56.534	854.57	179.521	40.775
05-Sep 13:09	46.225	6.942	45.461	876.825	178.239	56.35	59.616	48.835	866.774	178.219	42.15
05-Sep 13:14	51.036	7.045	44.972	842.966	162.054	55.347	62.641	48.439	865.882	191.231	42.52
05-Sep 13:19	44.647	6.879	43.613	889.935	189.324	46.332	63.921	50.421	839.665	204.507	43.089
05-Sep 13:24	42.369	6.879	46.218	837.697	164.25	61.574	59.317	55.832	893.575	169.486	42.782
05-Sep 13:29	44.0	7.244	44.629	867.548	183.962	54.938	66.927	46.587	866.013	187.295	44.722
05-Sep 13:34	46.09	7.213	52.912	827.726	171.611	56.87	60.383	63.68	903.303	200.516	39.449
05-Sep 13:39	46.924	7.127	52.584	821.171	184.08	61.075	60.836	51.065	851.744	197.322	44.944
05-Sep 13:44	43.512	7.032	47.731	892.979	161.097	58.003	58.907	56.984	854.214	191.14	45.291
05-Sep 13:49	48.909	6.877	50.186	927.151	136.043	60.351	55.254	46.441	890.72	193.895	46.864
05-Sep 13:54	47.065	7.214	46.544	858.773	194.784	58.663	58.516	48.941	880.644	183.714	37.756
05-Sep 13:59	46.422	7.217	51.165	879.457	134.86	56.509	55.636	50.498	830.59	174.526	42.676
05-Sep 14:04	43.761	7.217	54.984	871.606	120.13	58.133	63.936	62.003	824.414	192.808	33.148
05-Sep 14:09	42.058	6.992	48.122	811.609	140.636	56.817	58.308	45.579	846.58	187.267	41.365
05-Sep 14:14	47.918	7.224	48.411	853.08	169.269	65.53	64.917	51.598	894.928	201.003	38.287
05-Sep 14:19	43.392	7.373	53.126	794.663	153.337	59.056	58.34	50.714	861.309	196.104	39.732
05-Sep 14:24	43.016	7.278	48.027	817.084	178.471	59.681	62.008	49.754	870.372	194.352	40.823
05-Sep 14:29	51.233	7.095	52.742	756.262	139.589	61.653	63.934	47.621	893.994	189.282	42.093
05-Sep 14:34	44.271	7.059	43.724	792.163	180.365	54.39	57.301	57.408	866.082	170.877	44.075
05-Sep 14:39	54.191	7.118	44.426	908.674	162.417	60.127	66.228	56.655	867.739	186.52	47.282
05-Sep 14:44	43.244	7.402	45.232	851.542	169.521	58.594	67.148	53.23	889.006	181.227	43.906
05-Sep 14:49	46.97	7.442	50.065	810.008	150.34	57.512	61.193	49.971	834.056	190.504	45.311
05-Sep 14:54	46.116	7.339	43.3	829.279	151.827	57.744	59.195	45.393	838.315	190.727	40.036
05-Sep 14:59	43.024	7.313	42.324	774.495	185.414	55.015	58.098	50.338	854.933	191.936	43.329
05-Sep 15:04	44.539	6.88	49.207	822.996	168.631	58.851	62.467	48.487	840.892	179.635	37.788
05-Sep 15:09	42.394	7.287	44.486	829.332	126.907	56.524	59.936	50.767	837.139	182.916	37.822
05-Sep 15:14	42.687	7.247	44.244	758.54	176.52	53.09	63.293	43.188	853.199	180.528	43.661
05-Sep 15:19	47.696	7.007	47.5	816.102	148.423	61.774	60.479	45.519	842.263	192.984	40.675
05-Sep 15:24	52.02	7.077	45.296	835.247	167.473	58.734	62.079	53.208	858.921	177.536	40.56
05-Sep 15:29	44.088	7.31	39.69	828.04	172.023	53.978	65.982	46.825	856.319	180.939	40.053
05-Sep 15:34	46.756	6.963	45.071	874.655	116.668	53.373	52.421	45.035	841.158	165.306	42.612
05-Sep 15:39	45.834	6.968	52.151	806.828	160.978	54.253	54.627	59.912	845.661	178.08	43.811
05-Sep 15:44	43.477	7.394	46.028	781.441	143.583	59.165	64.991	45.429	878.599	173.907	42.974
05-Sep 15:49	49.126	7.022	43.225	918.737	168.244	48.791	65.48	52.545	873.006	186.45	44.416
05-Sep 15:54	50.791	7.399	52.17	752.481	180.261	53.836	61.077	50.023	854.73	192.718	42.406
05-Sep 15:59	43.971	6.863	48.159	848.121	181.103	58.826	62.01	46.881	858.127	188.283	44.68
05-Sep 16:04	45.767	6.865	40.804	815.319	151.392	54.156	58.115	56.558	874.607	179.0	39.698
05-Sep 16:09	47.375	7.042	45.811	796.806	176.864	58.007	62.838	44.918	840.961	171.885	39.385
05-Sep 16:14	44.635	6.943	44.813	785.973	146.523	62.459	64.717	45.135	851.347	175.375	36.464

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
05-Sep 16:19	46.754	7.124	52.712	859.458	175.233	54.81	60.845	55.552	838.651	196.815	36.026
05-Sep 16:24	45.775	7.137	38.786	741.331	155.934	58.695	62.575	54.639	841.265	170.944	43.481
05-Sep 16:29	43.345	7.041	42.615	793.154	169.714	64.938	59.162	54.1	862.441	182.931	43.06
05-Sep 16:34	43.755	7.025	39.97	837.91	139.125	58.587	57.395	46.081	826.685	202.878	40.219
05-Sep 16:39	49.458	6.95	45.614	909.781	140.873	60.769	57.937	49.229	856.556	172.341	36.538
05-Sep 16:44	46.672	6.799	49.168	818.534	119.026	59.651	67.437	51.491	876.021	185.442	40.792
05-Sep 16:49	46.736	7.184	43.153	889.6	182.207	57.412	63.625	52.425	854.171	175.749	39.814
05-Sep 16:54	46.196	6.687	38.546	888.606	158.262	61.77	63.68	57.319	868.567	197.324	41.494
05-Sep 16:59	42.02	6.778	41.546	836.119	172.697	59.26	55.414	46.268	806.823	172.976	43.532
05-Sep 17:04	49.209	7.357	40.787	804.35	154.376	60.356	64.961	48.458	828.773	188.225	38.776
05-Sep 17:09	44.599	7.26	48.432	747.084	153.721	54.451	66.132	47.582	851.876	192.691	42.685
05-Sep 17:14	47.829	7.36	45.094	851.717	166.68	58.832	63.203	51.663	817.664	181.07	44.464
05-Sep 17:19	42.752	7.171	52.204	819.052	164.493	60.636	58.981	51.615	861.664	171.681	39.116
05-Sep 17:24	50.362	7.13	51.196	769.338	145.347	55.934	61.699	50.262	879.694	169.419	40.016
05-Sep 17:29	46.348	6.922	54.318	791.14	125.728	65.36	58.022	47.476	860.745	171.499	38.74
05-Sep 17:34	42.637	6.945	39.944	706.301	190.029	53.119	66.392	52.988	838.3	188.114	35.087
05-Sep 17:39	44.567	6.918	43.115	794.352	145.855	53.947	60.287	52.026	828.659	199.024	41.582
05-Sep 17:44	50.301	7.059	50.268	811.014	135.826	53.353	65.257	56.971	852.314	188.953	37.328
05-Sep 17:49	47.646	6.965	38.243	762.849	159.329	55.809	63.058	47.758	824.75	173.938	40.075
05-Sep 17:54	44.996	7.2	34.712	858.008	176.374	48.351	68.126	50.175	855.335	182.196	37.286
05-Sep 17:59	46.403	7.055	50.604	794.444	166.313	61.268	54.246	63.348	837.073	181.855	38.088
05-Sep 18:04	46.524	7.048	51.704	811.742	155.555	59.077	54.883	49.756	885.876	177.454	36.252
05-Sep 18:09	40.089	6.976	35.87	748.205	155.643	61.262	68.06	46.919	870.524	178.576	40.09
05-Sep 18:14	46.505	7.108	49.402	850.134	120.966	60.189	65.021	58.266	839.334	167.674	40.534
05-Sep 18:19	47.283	7.139	37.007	807.49	153.275	56.571	59.745	56.878	879.417	177.062	43.488
05-Sep 18:24	41.578	6.866	45.305	642.45	129.755	49.076	57.569	44.445	821.789	173.17	43.525
05-Sep 18:29	50.846	7.394	54.218	773.943	153.309	60.764	63.698	51.714	871.74	168.067	37.604
05-Sep 18:34	47.227	6.842	41.787	857.048	145.016	51.717	58.47	43.821	839.75	175.787	38.878
05-Sep 18:39	44.267	7.048	53.309	865.11	168.028	50.815	57.423	45.53	859.395	178.975	41.596
05-Sep 18:44	46.733	7.021	42.908	844.926	141.159	45.563	67.923	41.903	867.702	177.007	42.319
05-Sep 18:49	37.781	7.591	41.536	660.476	137.928	53.457	64.019	46.81	874.005	170.009	38.552
05-Sep 18:54	46.391	7.302	43.559	829.187	165.157	60.888	56.518	48.834	859.661	186.312	42.968
05-Sep 18:59	52.624	6.454	48.523	860.809	143.118	51.414	56.345	47.946	849.974	184.794	42.636
05-Sep 19:04	44.262	7.059	45.934	880.064	142.75	53.162	61.082	45.037	852.636	170.672	39.968
05-Sep 19:09	42.697	6.676	46.459	738.525	138.194	54.904	59.271	50.861	882.948	165.503	41.628
05-Sep 19:14	39.521	7.355	42.311	735.112	134.683	57.558	62.109	43.678	810.323	192.902	44.425
05-Sep 19:19	38.712	6.836	42.93	897.028	140.45	56.061	63.627	49.522	815.659	183.897	44.088
05-Sep 19:24	43.173	6.635	53.197	808.421	123.987	53.539	58.868	48.537	844.864	190.568	40.234
05-Sep 19:29	45.941	7.343	45.715	799.963	136.505	52.88	59.643	48.972	861.235	167.022	35.651
05-Sep 19:34	40.002	6.872	30.981	867.655	158.884	56.935	63.274	49.123	839.003	168.248	39.963
05-Sep 19:39	44.482	7.134	47.695	741.273	178.948	53.874	63.437	43.307	879.029	194.368	48.454
05-Sep 19:44	51.774	7.14	49.076	808.404	154.028	55.481	58.515	53.531	873.04	169.839	42.014
05-Sep 19:49	47.12	7.167	43.567	805.067	157.492	57.426	59.478	46.573	882.607	188.665	42.847
05-Sep 19:54	41.161	6.537	52.527	779.671	147.755	56.763	53.502	50.982	821.745	173.321	39.079

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
05-Sep 19:59	42.28	6.811	46.651	853.894	181.448	53.479	56.658	48.161	830.99	165.843	45.106
05-Sep 20:04	41.821	7.112	58.084	741.575	144.555	55.682	56.145	43.92	812.081	191.403	37.943
05-Sep 20:09	42.902	6.842	41.565	794.765	139.27	59.004	60.2	48.919	854.205	178.45	38.181
05-Sep 20:14	40.147	6.938	41.17	839.531	163.31	57.59	59.083	45.314	827.666	194.57	43.354
05-Sep 20:19	45.425	6.761	46.07	798.989	165.914	55.281	53.286	42.68	875.436	174.957	36.332
05-Sep 20:24	43.666	6.53	54.061	706.903	144.73	53.353	65.967	48.476	860.298	165.494	34.542
05-Sep 20:29	45.9	7.351	40.449	782.642	144.83	54.128	50.817	47.444	821.614	176.74	35.745
05-Sep 20:34	46.904	6.717	33.801	825.552	135.699	51.003	63.145	50.102	835.846	177.431	41.63
05-Sep 20:39	46.92	6.957	52.772	685.265	167.389	49.56	60.074	56.262	833.953	181.946	40.525
05-Sep 20:44	44.679	6.862	30.263	800.932	146.161	53.688	56.369	42.819	848.386	174.933	37.062
05-Sep 20:49	45.08	6.81	44.356	955.213	148.108	59.119	65.969	43.853	836.646	190.404	37.295
05-Sep 20:54	43.551	7.175	45.646	794.882	148.36	50.134	57.481	51.552	848.693	182.29	36.458
05-Sep 20:59	48.747	6.911	49.408	769.525	164.232	50.782	56.647	47.919	867.901	193.841	38.596
05-Sep 21:04	43.68	6.957	51.419	764.421	145.636	51.211	55.309	51.374	822.293	184.937	43.882
05-Sep 21:09	45.392	7.009	42.694	768.576	135.189	55.629	60.649	50.519	840.644	181.641	39.051
05-Sep 21:14	37.459	7.026	52.409	867.985	128.808	61.065	54.56	47.947	816.566	177.782	38.78
05-Sep 21:19	45.062	7.106	45.266	780.742	161.613	59.745	63.896	54.365	854.505	161.334	38.807
05-Sep 21:24	45.051	6.808	43.933	736.505	165.554	54.669	61.429	43.194	804.885	166.231	37.437
05-Sep 21:29	39.636	7.024	38.122	852.481	151.778	55.356	55.229	50.825	835.303	200.293	34.753
05-Sep 21:34	45.576	7.019	32.864	750.038	117.622	53.044	56.673	53.558	833.281	184.658	43.116
05-Sep 21:39	43.849	6.811	36.189	781.128	136.713	49.853	54.809	43.931	873.628	191.126	36.197
05-Sep 21:44	43.923	6.705	41.711	721.624	160.76	52.147	52.923	51.491	858.147	184.984	40.879
05-Sep 21:49	42.591	7.008	54.043	783.195	151.881	51.992	60.319	52.269	853.363	184.899	37.684
05-Sep 21:54	43.616	7.028	45.207	761.76	166.967	51.226	58.114	49.067	827.261	164.207	37.234
05-Sep 21:59	48.225	7.042	42.772	835.509	148.632	52.103	58.969	44.346	854.978	185.703	33.51
05-Sep 22:04	43.374	6.754	39.323	815.853	142.948	49.588	57.72	48.547	846.71	179.5	44.707
05-Sep 22:09	40.804	6.749	44.948	755.899	133.597	51.016	61.852	53.154	852.68	160.466	38.519
05-Sep 22:14	44.644	6.912	42.524	787.391	145.195	58.982	64.62	48.669	865.055	175.863	35.278
05-Sep 22:19	41.757	6.937	45.858	771.48	119.005	59.485	59.626	42.776	841.731	165.504	34.719
05-Sep 22:24	44.644	7.041	42.599	792.31	147.958	52.107	67.988	52.905	849.297	183.004	43.075
05-Sep 22:29	42.821	6.633	37.439	737.273	151.563	56.972	55.05	49.451	839.528	188.881	36.474
05-Sep 22:34	44.584	6.89	48.932	751.11	155.041	52.893	60.267	53.645	837.286	174.672	42.788
05-Sep 22:39	45.421	6.958	43.238	772.617	125.02	47.661	60.1	50.667	832.115	162.795	43.618
05-Sep 22:44	46.148	6.807	38.681	805.518	136.88	53.09	58.649	51.197	875.862	179.069	34.821
05-Sep 22:49	44.87	6.734	37.578	715.526	121.963	52.032	57.813	53.862	832.826	171.093	39.449
05-Sep 22:54	47.719	6.925	44.424	783.867	133.406	49.207	53.37	52.64	891.572	169.456	42.401
05-Sep 22:59	43.883	6.673	37.34	759.865	132.535	53.68	52.901	39.778	823.615	166.196	38.028
05-Sep 23:04	43.817	6.507	43.719	770.956	141.283	62.852	57.572	48.565	824.124	172.319	45.914
05-Sep 23:09	44.136	7.092	38.125	758.306	152.996	56.207	61.391	49.188	830.506	178.451	38.347
05-Sep 23:14	36.458	6.665	36.414	719.984	146.617	56.626	62.032	47.284	803.194	173.666	39.018
05-Sep 23:19	39.859	6.581	41.651	771.16	123.852	48.319	58.681	51.191	835.354	171.44	36.314
05-Sep 23:24	42.642	6.63	45.26	803.971	146.975	45.834	56.356	49.056	833.091	157.736	38.351
05-Sep 23:29	40.548	6.856	32.288	739.979	145.844	43.343	56.156	45.15	859.119	181.383	40.027
05-Sep 23:34	44.661	6.813	48.375	816.044	131.036	52.706	52.569	45.59	846.683	178.304	40.623

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
05-Sep 23:39	43.178	6.785	42.887	782.289	161.744	54.479	63.129	52.777	815.818	163.1	37.798
05-Sep 23:44	40.79	6.649	47.828	815.657	144.585	52.728	57.949	39.654	882.631	161.148	38.497
05-Sep 23:49	41.75	6.578	41.562	764.563	138.983	46.049	56.884	47.017	812.408	179.963	39.93
05-Sep 23:54	49.374	6.706	41.168	799.477	134.612	52.321	58.908	43.927	861.424	172.304	39.147
05-Sep 23:59	40.901	7.096	34.131	678.307	139.582	57.361	57.447	46.176	844.199	182.351	34.382
06-Sep 00:04	46.613	6.812	40.926	709.342	154.49	54.347	54.336	47.6	869.589	170.874	41.412
06-Sep 00:09	41.87	7.029	41.208	703.158	140.654	50.916	57.458	51.443	842.976	181.443	37.253
06-Sep 00:14	46.786	6.991	34.046	754.445	122.325	50.328	63.683	52.856	806.735	180.148	35.56
06-Sep 00:19	41.075	7.104	45.333	700.301	142.624	48.938	59.094	52.028	850.686	171.135	38.516
06-Sep 00:24	46.912	6.987	44.73	728.047	170.167	55.259	55.615	51.058	828.503	188.574	34.352
06-Sep 00:29	42.743	6.961	44.273	805.028	127.982	50.185	52.013	37.489	846.188	174.502	39.618
06-Sep 00:34	45.092	7.098	38.554	780.71	152.649	53.784	54.895	45.859	842.001	177.847	36.016
06-Sep 00:39	44.786	6.69	42.691	819.046	145.176	56.609	61.163	44.452	849.639	156.107	42.467
06-Sep 00:44	46.16	6.815	37.256	754.314	141.967	53.757	57.611	47.094	844.216	176.25	37.348
06-Sep 00:49	46.543	7.15	38.723	903.065	136.535	50.47	57.899	47.105	852.877	148.035	36.937
06-Sep 00:54	41.525	6.589	39.423	749.494	168.447	59.622	62.343	45.297	841.263	173.194	38.684
06-Sep 00:59	45.381	6.625	43.696	773.823	133.675	50.3	57.282	39.938	836.772	162.805	38.423
06-Sep 01:04	39.507	7.126	43.775	711.944	161.697	55.783	56.711	48.906	833.436	170.329	36.503
06-Sep 01:09	39.764	6.678	37.725	843.717	136.778	52.208	50.87	50.681	814.243	187.984	41.23
06-Sep 01:14	43.388	6.899	41.751	809.677	115.599	49.196	51.799	52.162	844.121	171.183	37.366
06-Sep 01:19	43.297	6.891	41.145	698.876	139.72	46.628	54.102	52.652	819.13	184.052	40.882
06-Sep 01:24	38.669	7.12	41.485	795.658	118.332	59.828	62.752	41.338	849.63	184.088	41.68
06-Sep 01:29	42.042	7.073	40.784	805.255	131.979	51.789	56.565	47.659	858.966	158.292	35.033
06-Sep 01:34	42.636	6.554	48.517	754.319	125.653	57.562	61.354	40.842	845.88	171.397	38.377
06-Sep 01:39	41.132	7.006	45.403	779.327	165.362	52.909	54.468	45.91	842.532	177.803	39.354
06-Sep 01:44	41.097	6.779	35.527	753.879	159.567	55.618	56.719	53.126	824.169	176.557	41.854
06-Sep 01:49	43.498	7.236	42.352	872.12	121.463	50.357	58.935	37.471	844.113	183.863	40.889
06-Sep 01:54	44.976	6.609	40.28	791.561	129.89	57.171	55.037	51.818	865.969	175.963	30.863
06-Sep 01:59	42.109	7.141	43.628	696.875	147.9	55.378	59.978	42.009	873.721	179.998	45.366
06-Sep 02:04	41.258	6.369	44.917	808.576	152.677	56.641	66.945	47.981	832.534	160.841	41.029
06-Sep 02:09	37.65	6.732	50.696	761.142	141.335	53.455	58.967	52.302	844.317	188.843	39.798
06-Sep 02:14	43.943	7.045	46.237	772.968	160.804	52.78	49.976	47.171	817.412	181.278	38.877
06-Sep 02:19	46.909	6.703	40.351	813.346	158.805	46.191	49.805	50.728	820.481	171.974	36.178
06-Sep 02:24	45.917	6.714	48.376	741.609	164.245	53.848	54.685	49.053	823.721	171.636	42.995
06-Sep 02:29	47.405	6.755	46.219	816.731	130.569	55.005	63.71	56.0	833.22	175.433	37.328
06-Sep 02:34	43.737	7.028	42.139	800.299	146.469	48.231	52.393	51.132	841.847	165.326	33.888
06-Sep 02:39	41.485	6.883	41.451	818.301	148.558	55.831	54.885	49.075	889.629	176.867	36.984
06-Sep 02:44	35.728	6.592	41.667	734.285	146.785	52.869	62.108	45.176	852.96	167.393	38.96
06-Sep 02:49	41.026	7.062	46.214	816.95	166.381	51.186	63.883	43.243	810.22	157.522	34.471
06-Sep 02:54	38.528	6.169	41.167	797.231	135.577	49.184	59.453	44.225	805.52	171.72	39.35
06-Sep 02:59	44.408	7.027	43.895	853.914	149.478	53.021	51.258	54.135	848.07	176.486	33.693
06-Sep 03:04	40.796	6.971	40.942	865.002	101.318	55.171	55.178	50.24	818.528	181.05	35.085
06-Sep 03:09	44.762	7.167	47.298	815.456	136.869	57.785	54.758	49.408	864.828	174.663	35.304
06-Sep 03:14	43.384	6.927	44.834	757.88	140.716	54.983	56.682	47.99	848.028	182.274	35.771

Timestamp	Sulphonation										
	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
06-Sep 03:19	41.18	6.7	40.5	786.936	146.63	56.796	58.438	51.616	832.598	169.774	35.686
06-Sep 03:24	41.593	7.131	38.91	733.164	139.553	54.47	59.881	51.019	841.449	146.094	34.235
06-Sep 03:29	41.049	6.82	44.404	700.111	145.279	47.919	59.105	50.691	844.027	183.01	38.999
06-Sep 03:34	39.243	6.956	42.108	739.74	149.867	50.255	54.084	49.238	858.809	172.297	36.431
06-Sep 03:39	44.182	7.132	44.05	751.273	132.629	54.892	58.437	50.07	824.425	176.411	39.965
06-Sep 03:44	44.351	7.15	38.013	789.939	160.061	54.5	55.024	55.22	809.138	164.336	33.644
06-Sep 03:49	41.261	7.043	44.764	765.679	164.031	54.823	60.053	52.13	810.999	184.597	38.625
06-Sep 03:54	49.775	7.287	42.786	806.917	160.024	57.121	55.692	51.553	867.883	167.815	40.575
06-Sep 03:59	46.403	7.152	41.873	717.716	148.316	49.428	55.825	43.841	822.066	184.818	39.708
06-Sep 04:04	47.524	6.726	36.799	742.33	147.521	55.87	56.879	52.342	835.638	171.853	41.721
06-Sep 04:09	39.602	6.6	41.448	844.299	154.065	51.847	54.907	46.197	885.075	179.914	35.424
06-Sep 04:14	45.986	6.525	42.401	805.351	128.965	53.036	54.309	44.926	842.224	178.375	40.239
06-Sep 04:19	38.734	7.266	35.485	673.738	144.766	58.366	60.639	50.182	849.798	177.288	33.654
06-Sep 04:24	49.684	6.796	47.282	728.485	155.111	49.496	55.988	47.756	806.16	165.616	37.047
06-Sep 04:29	40.146	7.193	34.404	677.147	138.069	60.335	67.83	50.795	864.651	175.115	33.527
06-Sep 04:34	40.855	6.795	46.115	750.516	124.653	57.309	54.161	56.69	848.086	165.03	38.082
06-Sep 04:39	42.207	6.891	40.704	737.141	144.097	52.63	55.771	53.885	846.682	192.102	40.964
06-Sep 04:44	39.979	6.976	39.969	823.696	109.951	49.632	52.514	49.823	834.416	178.748	41.779
06-Sep 04:49	44.586	6.726	42.838	824.967	159.374	53.783	56.682	48.611	871.811	185.893	40.9
06-Sep 04:54	49.312	6.796	46.807	691.514	161.638	51.231	56.718	51.05	826.711	188.054	38.418
06-Sep 04:59	41.48	7.224	47.427	691.047	147.929	53.852	57.304	52.747	849.827	174.94	41.166
06-Sep 05:04	43.92	7.114	41.607	727.042	137.651	53.202	64.621	55.676	850.699	186.274	36.675
06-Sep 05:09	38.689	6.813	47.998	793.207	125.023	62.553	59.391	46.188	835.98	165.968	32.626
06-Sep 05:14	48.29	6.888	44.056	784.03	162.422	50.568	65.39	48.261	819.306	176.503	37.484
06-Sep 05:19	49.607	6.919	43.236	785.757	164.811	57.459	51.95	53.193	855.027	183.301	37.729
06-Sep 05:24	43.721	7.036	46.2	804.496	145.214	58.411	51.507	49.456	898.642	175.048	40.44
06-Sep 05:29	41.505	6.56	42.042	902.844	112.563	43.908	56.326	45.045	831.249	192.066	40.862
06-Sep 05:34	38.205	6.972	44.1	761.71	142.606	56.996	50.401	47.715	833.186	180.804	41.305
06-Sep 05:39	44.727	7.018	46.281	791.916	149.18	50.989	54.161	54.545	847.959	171.848	33.62
06-Sep 05:44	41.11	6.992	47.598	729.598	142.004	59.32	60.472	45.167	840.701	170.07	39.588
06-Sep 05:49	39.439	6.952	44.463	874.858	154.522	54.55	62.204	55.36	878.829	180.902	35.545
06-Sep 05:54	42.847	6.795	48.832	719.163	150.925	57.003	52.251	43.38	828.01	182.691	36.493
06-Sep 05:59	48.47	7.31	47.547	811.647	157.919	67.54	65.493	54.005	848.915	170.67	36.821
06-Sep 06:04	46.911	6.928	46.797	816.473	186.845	53.25	63.808	53.895	803.95	180.388	37.142
06-Sep 06:09	44.065	7.069	52.163	792.048	162.782	58.981	63.144	54.116	873.723	168.564	41.616
06-Sep 06:14	41.502	6.718	51.497	773.672	149.729	53.564	65.386	49.52	828.973	198.969	39.154
06-Sep 06:19	41.734	6.71	35.054	768.354	134.771	47.213	55.399	55.792	814.595	179.372	38.45
06-Sep 06:24	40.057	6.974	48.294	830.135	140.801	51.667	52.132	56.976	832.858	164.156	38.391
06-Sep 06:29	47.4	6.804	42.139	712.268	168.941	54.973	56.843	51.613	845.956	173.798	36.41
06-Sep 06:34	52.103	6.878	44.824	761.541	145.837	55.683	55.062	52.046	838.023	190.822	37.896
06-Sep 06:39	43.766	7.143	45.738	752.827	135.503	53.005	61.03	51.53	857.05	179.541	37.1
06-Sep 06:44	44.251	7.019	49.18	759.995	159.304	57.252	59.279	53.091	804.619	190.226	42.253
06-Sep 06:49	48.762	6.508	45.465	850.532	149.109	50.145	63.696	47.899	826.171	187.933	43.351
06-Sep 06:54	43.269	6.831	46.953	838.261	159.628	54.317	57.809	59.44	858.101	166.927	37.936

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
06-Sep 06:59	46.337	7.071	39.095	772.148	145.344	54.87	56.576	44.384	841.712	177.014	41.794
06-Sep 07:04	51.658	6.641	49.303	777.743	122.829	55.447	56.207	53.727	850.276	166.435	40.261
06-Sep 07:09	44.335	6.842	40.955	822.623	164.407	55.788	57.228	46.335	854.586	171.095	40.559
06-Sep 07:14	48.8	6.866	47.027	773.302	148.355	58.414	54.7	52.05	841.552	167.402	42.357
06-Sep 07:19	42.791	6.84	36.616	827.791	145.586	52.304	62.249	50.361	843.861	172.969	35.253

Summary

	Sulphonation										
Timestamp	AE-20316 °C	AE-80401 pH	Booster-P60101A Amps	FT-40401 kg/hr	FIC-50401 kg/hr	GAS-DT-502 °C	GAS-DT-503 °C	GAS-DT-504 °C	TE-30001A °C	TE-30501 °C	TE-60104 °C
Average	44.84	6.98	44.95	802.38	149.9	55.23	59.88	49.99	850.24	179.71	39.77
Max	54.88	7.59	60.66	960.21	194.78	67.54	71.44	63.68	920.65	208.72	48.45
Min	35.73	6.17	29.86	642.45	101.32	43.34	44.81	37.47	790.27	146.09	29.87