

**Ведомость учета отпуска тепловой энергии за период
с 01.01.2019 по 31.12.2019**

Потребитель: **ООО "Карат" 624260, г.Асбест, Свердловской обл., ул. Королева,14**
 Объект: **ул. Королева, д. 29/2**

Система отопления: двухтрубная зависимая	Эльф-03	21363111	20.05.2023
Расчетная формула тепловой энергии: $Q = G^1 \times (T^1 - T^2) / 1000$, Гкал	Взлет ЭРСВ-420Л-40	1030115	18.05.2023
Gmax= 12,6 тн/час	Взлет ЭРСВ-420Л-40	1026239	18.05.2023
Gот= 7,6 тн/час	КТСП-Н	1682	20.05.2023
Gгвс= 5,0 тн/час			
Q= 0,465 Гкал/час			

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
01.01.19	71,35	57,42	13,93	297,514	298,266	-0,752	6,0	4,0	4,158	24,00	0,00
02.01.19	70,25	56,38	13,87	295,673	296,428	-0,756	6,0	4,0	4,114	24,00	0,00
03.01.19	67,37	54,50	12,87	294,659	295,355	-0,696	6,0	4,0	3,804	24,00	0,00
04.01.19	67,01	54,28	12,73	293,107	293,804	-0,697	6,0	4,0	3,744	24,00	0,00
05.01.19	66,70	54,04	12,66	293,246	293,937	-0,691	6,0	4,0	3,724	24,00	0,00
06.01.19	66,31	53,50	12,80	293,862	294,571	-0,709	6,0	4,0	3,774	24,00	0,00
07.01.19	66,99	54,34	12,66	294,189	294,890	-0,701	6,0	4,0	3,736	24,00	0,00
08.01.19	68,21	54,55	13,66	293,126	293,865	-0,739	6,0	4,0	4,017	24,00	0,00
09.01.19	68,81	55,13	13,67	293,180	293,934	-0,753	6,0	4,0	4,022	24,00	0,00
10.01.19	67,16	54,21	12,95	294,208	294,907	-0,699	6,0	4,0	3,821	24,00	0,00
11.01.19	65,37	52,51	12,86	283,417	284,072	-0,655	6,0	4,0	3,655	24,00	0,00
12.01.19	67,51	53,86	13,65	290,959	291,676	-0,717	6,0	4,0	3,983	24,00	0,00
13.01.19	67,03	53,88	13,15	292,729	293,451	-0,722	6,0	4,0	3,863	24,00	0,00
14.01.19	67,07	54,25	12,82	293,308	293,991	-0,682	6,0	4,0	3,771	24,00	0,00
15.01.19	67,21	54,33	12,88	293,481	294,159	-0,677	6,0	4,0	3,792	24,00	0,00
16.01.19	67,25	54,53	12,72	294,500	295,157	-0,657	6,0	4,0	3,759	24,00	0,00
17.01.19	67,26	54,38	12,88	294,491	295,149	-0,658	6,0	4,0	3,805	24,00	0,00
18.01.19	67,06	54,55	12,50	297,445	298,117	-0,672	6,0	4,0	3,732	24,00	0,00
19.01.19	66,84	54,29	12,55	299,237	299,918	-0,681	6,0	4,0	3,769	24,00	0,00
20.01.19	66,88	54,17	12,71	297,253	297,900	-0,647	6,0	4,0	3,790	24,00	0,00
21.01.19	67,92	55,17	12,75	295,690	296,347	-0,657	6,0	4,0	3,782	24,00	0,00
22.01.19	67,34	54,55	12,79	296,087	296,715	-0,627	6,0	4,0	3,799	24,00	0,00
23.01.19	68,79	55,32	13,47	297,492	298,157	-0,665	6,0	4,0	4,019	24,00	0,00
24.01.19	72,15	57,55	14,60	299,358	300,147	-0,790	6,0	4,0	4,386	24,00	0,00
25.01.19	71,72	57,47	14,24	298,781	299,474	-0,693	6,0	4,0	4,269	24,00	0,00
26.01.19	70,29	55,83	14,46	296,283	296,989	-0,706	6,0	4,0	4,296	24,00	0,00
27.01.19	73,04	57,72	15,32	297,203	297,918	-0,715	6,0	4,0	4,565	24,00	0,00
28.01.19	74,00	58,72	15,27	296,315	296,986	-0,671	6,0	4,0	4,540	24,00	0,00
29.01.19	73,13	58,15	14,98	296,953	297,646	-0,693	6,0	4,0	4,461	24,00	0,00
30.01.19	70,38	56,35	14,03	296,137	296,789	-0,652	6,0	4,0	4,169	24,00	0,00
31.01.19	72,06	57,01	15,06	294,684	295,422	-0,738	6,0	4,0	4,450	24,00	0,00
01.02.19	69,23	55,64	13,59	295,095	295,683	-0,588	6,0	4,0	4,024	24,00	0,00
02.02.19	69,18	55,15	14,03	292,661	293,332	-0,670	6,0	4,0	4,120	24,00	0,00
03.02.19	73,93	58,06	15,87	292,990	293,766	-0,776	6,0	4,0	4,664	24,00	0,00
04.02.19	79,12	62,04	17,08	294,492	295,326	-0,834	6,0	4,0	5,047	24,00	0,00
05.02.19	80,32	62,63	17,69	297,371	298,273	-0,903	6,0	4,0	5,276	24,00	0,00
06.02.19	80,50	62,96	17,54	297,957	298,876	-0,919	6,0	4,0	5,243	24,00	0,00
07.02.19	79,33	62,31	17,01	298,686	299,509	-0,822	6,0	4,0	5,098	24,00	0,00
08.02.19	74,89	59,14	15,75	297,954	298,698	-0,744	6,0	4,0	4,707	24,00	0,00
09.02.19	71,65	56,99	14,66	297,404	298,053	-0,649	6,0	4,0	4,373	24,00	0,00
10.02.19	69,76	55,47	14,28	297,785	298,420	-0,635	6,0	4,0	4,266	24,00	0,00
11.02.19	66,35	53,65	12,70	297,423	297,945	-0,521	6,0	4,0	3,789	24,00	0,00
12.02.19	66,14	53,46	12,68	296,717	297,219	-0,502	6,0	4,0	3,774	24,00	0,00
13.02.19	65,61	53,19	12,41	298,303	298,824	-0,521	6,0	4,0	3,715	24,00	0,00
14.02.19	66,46	54,17	12,29	299,746	300,256	-0,510	6,0	4,0	3,697	24,00	0,00
15.02.19	66,14	53,89	12,25	300,661	301,155	-0,494	6,0	4,0	3,695	24,00	0,00
16.02.19	66,40	54,30	12,10	300,997	301,527	-0,530	6,0	4,0	3,653	24,00	0,00
17.02.19	66,01	53,37	12,64	299,442	300,008	-0,566	6,0	4,0	3,796	24,00	0,00
18.02.19	66,72	54,42	12,30	292,500	292,977	-0,476	6,0	4,0	3,609	24,00	0,00
19.02.19	66,08	53,05	13,03	273,758	274,238	-0,480	6,0	4,0	3,579	24,00	0,00
20.02.19	66,04	52,61	13,43	272,064	272,572	-0,508	6,0	4,0	3,666	24,00	0,00
21.02.19	65,85	52,68	13,17	272,098	272,592	-0,495	6,0	4,0	3,594	24,00	0,00
22.02.19	65,57	52,69	12,88	275,385	275,872	-0,487	6,0	4,0	3,558	24,00	0,00
23.02.19	66,41	53,35	13,07	273,527	274,022	-0,495	6,0	4,0	3,585	24,00	0,00
24.02.19	66,00	52,42	13,57	273,154	273,705	-0,551	6,0	4,0	3,719	24,00	0,00
25.02.19	66,46	53,03	13,43	273,297	273,827	-0,530	6,0	4,0	3,682	24,00	0,00
26.02.19	65,92	52,92	13,00	273,849	274,326	-0,477	6,0	4,0	3,572	24,00	0,00
27.02.19	66,48	53,56	12,91	274,173	274,622	-0,449	6,0	4,0	3,552	24,00	0,00
28.02.19	66,67	53,54	13,12	275,285	275,803	-0,518	6,0	4,0	3,624	24,00	0,00
01.03.19	65,39	52,90	12,49	273,951	274,411	-0,460	6,0	4,0	3,434	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
02.03.19	65,72	52,91	12,81	275,081	275,590	-0,508	6,0	4,0	3,534	24,00	0,00
03.03.19	65,81	52,90	12,91	276,500	276,989	-0,489	6,0	4,0	3,580	24,00	0,00
04.03.19	66,38	53,20	13,17	272,953	273,450	-0,497	6,0	4,0	3,607	24,00	0,00
05.03.19	65,78	52,79	12,99	272,902	273,417	-0,516	6,0	4,0	3,556	24,00	0,00
06.03.19	65,46	52,69	12,77	273,648	274,094	-0,446	6,0	4,0	3,504	24,00	0,00
07.03.19	66,38	53,66	12,72	275,099	275,619	-0,520	6,0	4,0	3,510	24,00	0,00
08.03.19	65,74	53,03	12,72	274,893	275,380	-0,488	6,0	4,0	3,506	24,00	0,00
09.03.19	65,41	52,70	12,72	275,532	276,030	-0,498	6,0	4,0	3,515	24,00	0,00
10.03.19	65,99	53,36	12,63	274,405	274,919	-0,514	6,0	4,0	3,476	24,00	0,00
11.03.19	66,51	53,78	12,74	274,575	275,115	-0,540	6,0	4,0	3,508	24,00	0,00
12.03.19	65,80	53,41	12,39	276,786	277,290	-0,504	6,0	4,0	3,440	24,00	0,00
13.03.19	65,44	53,13	12,30	279,757	280,255	-0,498	6,0	4,0	3,453	24,00	0,00
14.03.19	65,09	52,78	12,31	279,293	279,818	-0,525	6,0	4,0	3,450	24,00	0,00
15.03.19	65,21	53,02	12,19	280,409	280,906	-0,498	6,0	4,0	3,430	24,00	0,00
16.03.19	66,07	53,42	12,65	280,686	281,228	-0,542	6,0	4,0	3,562	24,00	0,00
17.03.19	65,12	52,48	12,64	280,220	280,733	-0,513	6,0	4,0	3,553	24,00	0,00
18.03.19	66,25	53,88	12,37	283,025	283,526	-0,501	6,0	4,0	3,512	24,00	0,00
19.03.19	65,76	53,55	12,21	286,597	287,113	-0,515	6,0	4,0	3,511	24,00	0,00
20.03.19	65,87	53,81	12,06	290,299	290,833	-0,535	6,0	4,0	3,513	24,00	0,00
21.03.19	64,78	53,29	11,49	291,490	292,013	-0,522	6,0	4,0	3,361	24,00	0,00
22.03.19	65,35	54,21	11,14	293,811	294,278	-0,467	6,0	4,0	3,285	24,00	0,00
23.03.19	65,30	53,81	11,49	293,173	293,705	-0,531	6,0	4,0	3,379	24,00	0,00
24.03.19	65,72	53,99	11,73	295,506	296,054	-0,548	6,0	4,0	3,477	24,00	0,00
25.03.19	65,59	54,33	11,26	297,394	297,943	-0,548	6,0	4,0	3,361	24,00	0,00
26.03.19	64,98	53,54	11,44	298,788	299,336	-0,548	6,0	4,0	3,429	24,00	0,00
27.03.19	65,03	53,91	11,11	299,129	299,667	-0,537	6,0	4,0	3,336	24,00	0,00
28.03.19	64,24	53,39	10,85	299,264	299,830	-0,567	6,0	4,0	3,258	24,00	0,00
29.03.19	65,48	54,15	11,33	291,745	288,957	2,788	6,0	4,0	3,317	24,00	0,00
30.03.19	65,51	53,76	11,75	294,004	294,276	-0,272	6,0	4,0	3,467	24,00	0,00
31.03.19	65,38	53,60	11,79	294,012	294,336	-0,325	6,0	4,0	3,477	24,00	0,00
01.04.19	65,28	53,82	11,46	293,311	293,603	-0,292	6,0	4,0	3,372	24,00	0,00
02.04.19	64,35	53,13	11,22	287,884	288,154	-0,269	6,0	4,0	3,240	24,00	0,00
03.04.19	64,08	52,68	11,40	285,328	285,591	-0,263	6,0	4,0	3,263	24,00	0,00
04.04.19	63,79	52,47	11,31	280,367	280,621	-0,254	6,0	4,0	3,183	24,00	0,00
05.04.19	64,14	52,91	11,24	280,064	280,336	-0,272	6,0	4,0	3,158	24,00	0,00
06.04.19	63,91	52,39	11,52	282,382	282,680	-0,299	6,0	4,0	3,264	24,00	0,00
07.04.19	63,57	52,09	11,48	282,271	282,574	-0,303	6,0	4,0	3,251	24,00	0,00
08.04.19	61,74	51,35	10,40	281,563	281,814	-0,250	6,0	4,0	2,939	24,00	0,00
09.04.19	61,41	50,97	10,44	283,175	283,438	-0,263	6,0	4,0	2,967	24,00	0,00
10.04.19	61,46	51,03	10,42	285,217	285,418	-0,201	6,0	4,0	2,984	24,00	0,00
11.04.19	61,93	51,56	10,37	286,709	286,955	-0,246	6,0	4,0	2,984	24,00	0,00
12.04.19	61,03	51,28	9,74	290,666	290,876	-0,210	6,0	4,0	2,843	24,00	0,00
13.04.19	61,40	51,36	10,05	291,137	291,350	-0,214	6,0	4,0	2,936	24,00	0,00
14.04.19	60,60	50,22	10,37	291,620	291,844	-0,225	6,0	4,0	3,036	24,00	0,00
15.04.19	61,42	50,61	10,81	284,091	284,335	-0,244	6,0	4,0	3,082	24,00	0,00
16.04.19	60,88	50,36	10,52	277,436	277,666	-0,230	6,0	4,0	2,930	24,00	0,00
17.04.19	61,46	50,16	11,30	277,289	277,508	-0,218	6,0	4,0	3,145	24,00	0,00
18.04.19	61,64	50,43	11,21	279,202	279,402	-0,199	6,0	4,0	3,140	24,00	0,00
19.04.19	61,51	50,71	10,81	280,474	280,670	-0,196	6,0	4,0	3,042	24,00	0,00
20.04.19	60,70	50,14	10,56	284,218	284,452	-0,234	6,0	4,0	3,011	24,00	0,00
21.04.19	61,35	50,29	11,06	283,964	284,201	-0,237	6,0	4,0	3,152	24,00	0,00
22.04.19	60,97	50,84	10,13	288,609	288,812	-0,203	6,0	4,0	2,935	24,00	0,00
23.04.19	61,27	51,35	9,92	293,617	293,788	-0,171	6,0	4,0	2,925	24,00	0,00
24.04.19	60,86	51,02	9,84	287,331	287,517	-0,187	6,0	4,0	2,839	24,00	0,00
25.04.19	60,79	50,92	9,88	257,917	258,114	-0,196	6,0	4,0	2,558	21,38	2,62
26.04.19	61,39	50,96	10,43	285,097	285,344	-0,247	6,0	4,0	2,985	24,00	0,00
27.04.19	61,60	50,97	10,63	286,268	286,522	-0,255	6,0	4,0	3,055	24,00	0,00
28.04.19	61,25	50,78	10,47	286,120	286,384	-0,264	6,0	4,0	3,008	24,00	0,00
29.04.19	61,73	50,93	10,80	283,219	283,474	-0,255	6,0	4,0	3,069	24,00	0,00
30.04.19	60,92	50,28	10,64	281,917	282,174	-0,257	6,0	4,0	3,012	24,00	0,00
01.05.19	59,83	49,43	10,40	284,805	285,033	-0,228	6,0	4,0	2,973	24,00	0,00
02.05.19	59,16	49,32	9,83	284,530	284,740	-0,211	6,0	4,0	2,809	24,00	0,00
03.05.19	60,00	49,79	10,21	284,402	284,636	-0,235	6,0	4,0	2,915	24,00	0,00
04.05.19	59,76	49,91	9,85	288,148	288,367	-0,219	6,0	4,0	2,850	24,00	0,00
05.05.19	59,09	49,66	9,43	290,501	290,699	-0,197	6,0	4,0	2,750	24,00	0,00
06.05.19	59,90	52,69	7,21	376,001	376,285	-0,283	6,0	4,0	2,724	24,00	0,00
07.05.19	59,67	55,63	4,04	337,335	337,636	-0,301	6,0	4,0	1,376	24,00	0,00
08.05.19	67,52	65,50	2,02	263,378	263,632	-0,254	6,0	4,0	0,543	24,00	0,00
09.05.19	64,34	62,50	1,84	261,909	262,125	-0,216	6,0	4,0	0,491	24,00	0,00
10.05.19	63,79	61,65	2,15	265,614	265,857	-0,243	6,0	4,0	0,580	24,02	-0,02
11.05.19	63,49	61,53	1,96	266,719	266,957	-0,238	6,0	4,0	0,533	24,00	0,00
12.05.19	63,89	61,62	2,27	268,130	268,381	-0,252	6,0	4,0	0,618	24,00	0,00
13.05.19	63,53	61,56	1,97	267,418	267,651	-0,232	6,0	4,0	0,539	24,00	0,00
14.05.19	64,85	62,25	2,60	264,829	265,092	-0,263	6,0	4,0	0,699	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
15.05.19	-	-	-	-	-	-	-	-	-	-	-
16.05.19	-	-	-	-	-	-	-	-	-	-	-
17.05.19	-	-	-	-	-	-	-	-	-	-	-
18.05.19	-	-	-	-	-	-	-	-	-	-	-
19.05.19	-	-	-	-	-	-	-	-	-	-	-
20.05.19	-	-	-	-	-	-	-	-	-	-	-
21.05.19	-	-	-	-	-	-	-	-	-	-	-
22.05.19	-	-	-	-	-	-	-	-	-	-	-
23.05.19	-	-	-	-	-	-	-	-	-	-	-
24.05.19	-	-	-	-	-	-	-	-	-	-	-
25.05.19	-	-	-	-	-	-	-	-	-	-	-
26.05.19	-	-	-	-	-	-	-	-	-	-	-
27.05.19	-	-	-	-	-	-	-	-	-	-	-
28.05.19	-	-	-	-	-	-	-	-	-	-	-
29.05.19	-	-	-	-	-	-	-	-	-	-	-
30.05.19	-	-	-	-	-	-	-	-	-	-	-
31.05.19	-	-	-	-	-	-	-	-	-	-	-
01.06.19	14,36	13,68	0,68	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
02.06.19	14,32	13,66	0,67	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
03.06.19	58,34	54,07	4,27	106,313	106,260	0,053	6,0	4,0	0,459	11,65	12,35
04.06.19	62,97	60,75	2,22	216,957	217,069	-0,113	6,0	4,0	0,490	24,00	0,00
05.06.19	65,33	62,76	2,56	205,797	205,836	-0,039	6,0	4,0	0,536	24,00	0,00
06.06.19	63,96	61,49	2,48	219,129	219,238	-0,110	6,0	4,0	0,552	24,00	0,00
07.06.19	61,82	59,26	2,55	201,292	201,431	-0,139	6,0	4,0	0,522	24,00	0,00
08.06.19	61,10	58,15	2,96	177,330	177,536	-0,206	6,0	4,0	0,531	24,00	0,00
09.06.19	61,74	58,63	3,11	177,828	178,004	-0,175	6,0	4,0	0,559	24,00	0,00
10.06.19	65,50	62,97	2,53	193,979	194,158	-0,179	6,0	4,0	0,499	24,00	0,00
11.06.19	67,29	65,25	2,04	234,793	234,928	-0,135	6,0	4,0	0,488	24,00	0,00
12.06.19	67,09	64,71	2,37	215,765	215,796	-0,031	6,0	4,0	0,521	24,00	0,00
13.06.19	67,44	65,01	2,43	215,535	215,554	-0,019	6,0	4,0	0,532	24,00	0,00
14.06.19	68,30	66,09	2,21	214,039	213,985	0,054	6,0	4,0	0,482	24,00	0,00
15.06.19	68,43	65,56	2,88	208,360	208,397	-0,037	6,0	4,0	0,608	24,00	0,00
16.06.19	65,99	62,97	3,02	205,561	205,426	0,135	6,0	4,0	0,629	24,00	0,00
17.06.19	66,22	63,37	2,85	211,675	211,582	0,092	6,0	4,0	0,613	24,00	0,00
18.06.19	65,78	62,97	2,81	210,943	210,845	0,097	6,0	4,0	0,601	24,00	0,00
19.06.19	65,35	62,60	2,75	209,934	209,834	0,100	6,0	4,0	0,586	24,00	0,00
20.06.19	66,17	63,58	2,58	219,096	218,975	0,121	6,0	4,0	0,575	24,00	0,00
21.06.19	66,79	64,35	2,43	218,427	218,353	0,075	6,0	4,0	0,540	24,00	0,00
22.06.19	61,94	60,46	1,48	207,966	207,887	0,079	6,0	4,0	0,316	24,00	0,00
23.06.19	64,24	61,59	2,65	216,446	216,404	0,042	6,0	4,0	0,582	24,00	0,00
24.06.19	64,95	62,26	2,70	215,311	215,195	0,116	6,0	4,0	0,589	24,00	0,00
25.06.19	64,93	62,35	2,57	211,496	211,426	0,070	6,0	4,0	0,552	24,00	0,00
26.06.19	69,26	66,75	2,51	213,820	213,799	0,021	6,0	4,0	0,546	24,00	0,00
27.06.19	65,37	62,90	2,47	215,903	215,893	0,010	6,0	4,0	0,542	24,00	0,00
28.06.19	66,56	64,40	2,17	220,999	220,001	0,998	6,0	4,0	0,488	22,80	1,20
29.06.19	66,19	63,78	2,42	223,143	222,538	0,604	6,0	4,0	0,549	24,00	0,00
30.06.19	63,92	61,26	2,66	204,923	204,838	0,085	6,0	4,0	0,553	23,92	0,08
01.07.19	68,20	65,48	2,72	194,858	194,730	0,127	6,0	4,0	0,538	24,00	0,00
02.07.19	65,22	62,27	2,95	191,589	191,271	0,318	6,0	4,0	0,573	24,00	0,00
03.07.19	70,28	67,39	2,89	198,706	198,384	0,322	6,0	4,0	0,582	24,00	0,00
04.07.19	65,42	62,66	2,77	192,315	192,097	0,218	6,0	4,0	0,540	24,00	0,00
05.07.19	68,84	66,15	2,69	197,578	197,203	0,375	6,0	4,0	0,540	24,00	0,00
06.07.19	65,49	62,78	2,71	195,428	195,169	0,259	6,0	4,0	0,538	24,00	0,00
07.07.19	71,94	69,12	2,82	201,829	201,605	0,224	6,0	4,0	0,577	24,00	0,00
08.07.19	66,36	64,01	2,35	195,795	195,589	0,205	6,0	4,0	0,467	24,00	0,00
09.07.19	67,97	65,39	2,57	199,011	198,841	0,170	6,0	4,0	0,520	24,00	0,00
10.07.19	65,17	62,75	2,42	196,281	196,071	0,210	6,0	4,0	0,482	24,00	0,00
11.07.19	64,45	62,21	2,25	193,763	193,504	0,259	6,0	4,0	0,443	23,98	0,02
12.07.19	66,17	63,80	2,36	194,528	194,122	0,406	6,0	4,0	0,467	23,97	0,03
13.07.19	66,23	64,03	2,20	196,355	196,177	0,177	6,0	4,0	0,440	24,00	0,00
14.07.19	66,57	64,01	2,55	196,861	196,677	0,184	6,0	4,0	0,511	24,00	0,00
15.07.19	67,13	64,50	2,63	197,741	197,593	0,147	6,0	4,0	0,527	24,00	0,00
16.07.19	63,94	61,89	2,05	192,070	191,924	0,146	6,0	4,0	0,401	24,00	0,00
17.07.19	32,49	31,43	1,06	166,253	166,236	0,017	6,0	4,0	0,184	24,00	0,00
18.07.19	38,70	36,75	1,96	173,671	173,625	0,045	6,0	4,0	0,347	24,00	0,00
19.07.19	63,27	60,71	2,56	195,323	195,174	0,150	6,0	4,0	0,508	24,00	0,00
20.07.19	65,42	63,12	2,30	200,412	200,189	0,223	6,0	4,0	0,468	24,00	0,00
21.07.19	63,55	60,94	2,61	197,564	197,339	0,225	6,0	4,0	0,524	24,00	0,00
22.07.19	64,87	62,73	2,14	198,708	198,468	0,239	6,0	4,0	0,433	24,00	0,00
23.07.19	65,28	63,02	2,26	198,109	197,869	0,240	6,0	4,0	0,455	24,00	0,00
24.07.19	-	-	-	-	-	-	-	-	-	-	-
25.07.19	66,34	63,88	2,46	200,582	200,421	0,161	6,0	4,0	0,501	24,00	0,00
26.07.19	65,08	62,88	2,20	197,393	195,999	1,394	6,0	4,0	0,442	23,82	0,18
27.07.19	66,49	64,13	2,36	201,654	201,342	0,311	6,0	4,0	0,484	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
28.07.19	65,97	63,14	2,84	201,154	200,968	0,186	6,0	4,0	0,578	24,00	0,00
29.07.19	65,18	62,68	2,51	196,704	196,509	0,195	6,0	4,0	0,501	24,00	0,00
30.07.19	66,33	64,78	1,55	91,673	91,548	0,125	6,0	4,0	0,146	11,17	12,83
31.07.19	25,09	33,23	-8,14	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
01.08.19	21,92	26,47	-4,55	0,000	0,000	0,000	6,0	4,0	0,000	0,00	24,00
02.08.19	23,61	23,07	0,54	128,650	128,598	0,053	6,0	4,0	0,075	15,22	8,78
03.08.19	65,21	62,09	3,13	212,131	211,933	0,198	6,0	4,0	0,672	24,00	0,00
04.08.19	66,69	63,64	3,05	197,388	197,194	0,193	6,0	4,0	0,609	24,00	0,00
05.08.19	65,31	62,25	3,07	200,837	200,607	0,229	6,0	4,0	0,624	24,00	0,00
06.08.19	65,79	62,67	3,12	203,429	203,225	0,205	6,0	4,0	0,643	24,00	0,00
07.08.19	67,16	64,09	3,07	206,819	206,666	0,153	6,0	4,0	0,642	24,00	0,00
08.08.19	70,60	67,53	3,07	131,553	131,485	0,068	6,0	4,0	0,409	15,38	8,62
09.08.19	66,66	64,08	2,57	197,913	197,875	0,038	6,0	4,0	0,517	24,00	0,00
10.08.19	67,58	65,12	2,46	199,626	199,586	0,040	6,0	4,0	0,499	24,00	0,00
11.08.19	66,43	63,68	2,75	198,456	198,441	0,015	6,0	4,0	0,554	24,00	0,00
12.08.19	66,94	64,62	2,33	198,082	198,027	0,055	6,0	4,0	0,469	24,00	0,00
13.08.19	65,29	62,88	2,41	188,774	187,757	1,017	6,0	4,0	0,463	22,95	1,05
14.08.19	66,87	64,71	2,17	197,696	197,440	0,256	6,0	4,0	0,436	24,00	0,00
15.08.19	68,75	66,43	2,33	199,477	199,217	0,260	6,0	4,0	0,472	24,00	0,00
16.08.19	68,07	65,76	2,31	198,219	197,973	0,246	6,0	4,0	0,466	24,00	0,00
17.08.19	67,34	65,28	2,06	199,293	199,031	0,262	6,0	4,0	0,418	24,00	0,00
18.08.19	66,72	64,33	2,39	202,260	202,018	0,242	6,0	4,0	0,492	24,00	0,00
19.08.19	68,55	66,32	2,23	198,080	197,827	0,253	6,0	4,0	0,449	24,00	0,00
20.08.19	68,33	66,03	2,31	194,854	194,700	0,155	6,0	4,0	0,457	24,00	0,00
21.08.19	66,44	63,98	2,46	195,467	195,410	0,058	6,0	4,0	0,489	24,00	0,00
22.08.19	68,46	66,00	2,47	198,703	198,668	0,036	6,0	4,0	0,498	24,00	0,00
23.08.19	66,50	64,14	2,36	195,820	195,752	0,068	6,0	4,0	0,471	24,00	0,00
24.08.19	67,43	64,86	2,57	196,632	196,579	0,053	6,0	4,0	0,514	24,00	0,00
25.08.19	67,63	64,85	2,78	197,144	197,095	0,049	6,0	4,0	0,555	24,00	0,00
26.08.19	66,25	63,77	2,48	194,784	192,311	2,473	6,0	4,0	0,491	23,98	0,02
27.08.19	65,61	63,37	2,25	193,174	192,873	0,301	6,0	4,0	0,442	24,00	0,00
28.08.19	67,27	64,72	2,55	194,873	194,623	0,250	6,0	4,0	0,505	24,00	0,00
29.08.19	65,84	63,33	2,51	201,067	200,830	0,237	6,0	4,0	0,512	24,00	0,00
30.08.19	66,29	63,83	2,46	190,961	190,743	0,218	6,0	4,0	0,477	24,00	0,00
31.08.19	65,83	63,07	2,76	188,686	188,500	0,186	6,0	4,0	0,529	24,00	0,00
01.09.19	73,02	69,57	3,45	193,024	192,823	0,202	6,0	4,0	0,673	24,00	0,00
02.09.19	66,12	63,49	2,63	189,671	189,374	0,297	6,0	4,0	0,506	24,00	0,00
03.09.19	72,65	70,01	2,65	197,825	197,560	0,264	6,0	4,0	0,532	24,00	0,00
04.09.19	75,18	72,57	2,61	198,967	198,685	0,282	6,0	4,0	0,528	24,00	0,00
05.09.19	74,97	72,29	2,68	198,402	198,007	0,395	6,0	4,0	0,539	24,00	0,00
06.09.19	68,02	65,36	2,66	191,281	190,754	0,527	6,0	4,0	0,516	24,00	0,00
07.09.19	69,32	66,88	2,44	193,630	193,142	0,488	6,0	4,0	0,480	24,00	0,00
08.09.19	74,72	71,66	3,06	196,200	195,773	0,428	6,0	4,0	0,608	24,00	0,00
09.09.19	75,88	73,12	2,76	195,404	194,911	0,493	6,0	4,0	0,547	24,00	0,00
10.09.19	66,98	64,23	2,75	186,867	186,240	0,627	6,0	4,0	0,521	23,88	0,12
11.09.19	74,33	71,48	2,84	190,880	190,752	0,128	6,0	4,0	0,551	24,00	0,00
12.09.19	64,16	61,54	2,62	175,920	175,872	0,048	6,0	4,0	0,467	24,00	0,00
13.09.19	42,56	40,65	1,92	173,498	173,344	0,154	6,0	4,0	0,339	24,00	0,00
14.09.19	76,90	74,31	2,59	198,961	198,851	0,110	6,0	4,0	0,524	24,00	0,00
15.09.19	65,42	62,41	3,01	192,830	192,706	0,124	6,0	4,0	0,589	24,00	0,00
16.09.19	73,57	70,77	2,80	191,289	191,178	0,111	6,0	4,0	0,544	24,00	0,00
17.09.19	72,77	70,26	2,51	224,111	223,966	0,145	6,0	4,0	0,571	24,00	0,00
18.09.19	67,69	65,15	2,55	207,338	207,107	0,230	6,0	4,0	0,536	24,00	0,00
19.09.19	60,97	52,57	8,40	208,151	208,009	0,142	6,0	4,0	1,756	24,00	0,00
20.09.19	61,82	49,34	12,48	224,679	224,859	-0,180	6,0	4,0	2,813	24,00	0,00
21.09.19	60,53	48,27	12,26	227,453	227,624	-0,171	6,0	4,0	2,796	24,00	0,00
22.09.19	61,06	48,41	12,65	227,222	227,543	-0,321	6,0	4,0	2,882	24,00	0,00
23.09.19	59,82	47,80	12,02	207,465	207,643	-0,178	6,0	4,0	2,502	23,73	0,27
24.09.19	61,58	48,92	12,66	218,492	218,575	-0,083	6,0	4,0	2,774	24,00	0,00
25.09.19	60,74	47,99	12,76	221,642	221,868	-0,226	6,0	4,0	2,835	24,00	0,00
26.09.19	48,95	40,75	8,20	225,442	225,311	0,131	6,0	4,0	1,855	24,00	0,00
27.09.19	60,22	46,81	13,41	221,262	221,498	-0,237	6,0	4,0	2,974	24,00	0,00
28.09.19	60,92	47,92	13,01	217,641	217,870	-0,229	6,0	4,0	2,839	24,00	0,00
29.09.19	61,06	47,31	13,75	213,283	213,479	-0,196	6,0	4,0	2,940	24,00	0,00
30.09.19	61,70	48,46	13,24	215,786	216,102	-0,316	6,0	4,0	2,865	24,00	0,00
01.10.19	61,26	49,33	11,92	241,720	241,986	-0,266	6,0	4,0	2,891	24,00	0,00
02.10.19	61,28	50,10	11,17	260,942	261,222	-0,281	6,0	4,0	2,926	24,00	0,00
03.10.19	64,24	52,51	11,72	262,792	263,172	-0,380	6,0	4,0	3,091	24,00	0,00
04.10.19	66,69	55,11	11,58	268,747	269,099	-0,351	6,0	4,0	3,124	24,00	0,00
05.10.19	66,46	55,15	11,31	271,652	272,041	-0,389	6,0	4,0	3,083	24,00	0,00
06.10.19	66,56	54,72	11,84	272,033	272,436	-0,404	6,0	4,0	3,233	24,00	0,00
07.10.19	66,99	55,73	11,26	276,453	276,846	-0,393	6,0	4,0	3,125	24,00	0,00
08.10.19	67,82	56,38	11,44	281,420	281,810	-0,390	6,0	4,0	3,231	24,00	0,00
09.10.19	67,53	56,12	11,41	282,512	282,891	-0,378	6,0	4,0	3,235	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
10.10.19	66,20	54,86	11,33	276,154	276,585	-0,431	6,0	4,0	3,141	24,00	0,00
11.10.19	66,74	55,39	11,34	281,115	281,524	-0,409	6,0	4,0	3,201	24,00	0,00
12.10.19	68,49	56,82	11,66	290,977	291,226	-0,249	6,0	4,0	3,406	24,00	0,00
13.10.19	67,95	56,20	11,75	292,087	289,613	2,474	6,0	4,0	3,445	24,00	0,00
14.10.19	68,89	57,26	11,63	295,135	295,606	-0,472	6,0	4,0	3,447	24,00	0,00
15.10.19	68,65	57,32	11,33	298,750	299,250	-0,500	6,0	4,0	3,398	24,00	0,00
16.10.19	67,56	56,21	11,36	294,539	295,008	-0,469	6,0	4,0	3,357	24,00	0,00
17.10.19	66,26	55,00	11,26	291,190	291,635	-0,445	6,0	4,0	3,290	24,00	0,00
18.10.19	66,44	55,16	11,27	288,612	288,834	-0,222	6,0	4,0	3,266	24,00	0,00
19.10.19	66,16	54,71	11,45	290,205	290,439	-0,234	6,0	4,0	3,334	24,00	0,00
20.10.19	65,64	53,84	11,80	285,641	285,884	-0,243	6,0	4,0	3,382	24,00	0,00
21.10.19	65,51	53,92	11,59	284,898	285,124	-0,226	6,0	4,0	3,314	24,00	0,00
22.10.19	65,87	54,05	11,82	283,886	284,183	-0,298	6,0	4,0	3,368	24,00	0,00
23.10.19	66,06	55,08	10,98	260,158	259,915	0,244	6,0	4,0	2,868	23,92	0,08
24.10.19	66,90	55,26	11,65	287,480	287,868	-0,387	6,0	4,0	3,360	24,00	0,00
25.10.19	67,06	55,59	11,47	288,269	288,658	-0,389	6,0	4,0	3,319	24,00	0,00
26.10.19	67,56	56,00	11,57	291,983	292,401	-0,418	6,0	4,0	3,390	24,00	0,00
27.10.19	67,66	55,85	11,81	291,877	292,157	-0,280	6,0	4,0	3,460	24,00	0,00
28.10.19	66,63	55,45	11,18	290,892	290,997	-0,104	6,0	4,0	3,265	24,00	0,00
29.10.19	64,21	53,39	10,82	288,815	288,843	-0,029	6,0	4,0	3,138	24,00	0,00
30.10.19	65,87	54,14	11,73	284,424	284,591	-0,167	6,0	4,0	3,348	24,00	0,00
31.10.19	65,49	53,82	11,67	279,986	280,154	-0,168	6,0	4,0	3,279	24,00	0,00
01.11.19	65,52	53,81	11,71	276,887	277,059	-0,173	6,0	4,0	3,252	24,00	0,00
02.11.19	61,71	50,37	11,34	274,523	274,685	-0,162	6,0	4,0	3,123	24,00	0,00
03.11.19	64,21	51,70	12,51	271,883	272,093	-0,211	6,0	4,0	3,411	24,00	0,00
04.11.19	64,58	52,33	12,26	272,119	272,328	-0,210	6,0	4,0	3,347	24,00	0,00
05.11.19	63,80	51,95	11,84	269,840	270,017	-0,177	6,0	4,0	3,207	24,00	0,00
06.11.19	64,78	52,61	12,17	270,537	270,744	-0,207	6,0	4,0	3,304	24,00	0,00
07.11.19	65,36	53,61	11,75	275,934	276,096	-0,162	6,0	4,0	3,252	24,00	0,00
08.11.19	64,31	52,83	11,48	278,418	278,575	-0,157	6,0	4,0	3,208	24,00	0,00
09.11.19	63,56	51,77	11,80	278,300	278,462	-0,162	6,0	4,0	3,294	24,00	0,00
10.11.19	63,41	51,14	12,28	278,042	278,209	-0,166	6,0	4,0	3,424	24,00	0,00
11.11.19	64,37	52,49	11,88	277,719	277,868	-0,149	6,0	4,0	3,310	24,00	0,00
12.11.19	64,56	52,76	11,80	278,484	278,617	-0,133	6,0	4,0	3,298	24,00	0,00
13.11.19	64,07	52,30	11,77	278,459	278,609	-0,150	6,0	4,0	3,289	24,00	0,00
14.11.19	65,57	52,57	13,00	260,426	260,506	-0,080	6,0	4,0	3,396	22,55	1,45
15.11.19	67,50	54,39	13,11	276,880	277,051	-0,171	6,0	4,0	3,643	24,00	0,00
16.11.19	68,59	55,49	13,10	277,868	278,041	-0,173	6,0	4,0	3,652	24,00	0,00
17.11.19	68,78	55,51	13,27	278,068	278,248	-0,180	6,0	4,0	3,702	24,00	0,00
18.11.19	69,01	55,76	13,25	277,665	277,878	-0,214	6,0	4,0	3,690	24,00	0,00
19.11.19	76,38	60,29	16,09	274,707	274,939	-0,232	6,0	4,0	4,434	24,00	0,00
20.11.19	76,27	60,09	16,18	272,445	272,690	-0,245	6,0	4,0	4,423	24,00	0,00
21.11.19	71,14	56,34	14,79	269,254	269,454	-0,200	6,0	4,0	3,995	24,00	0,00
22.11.19	67,79	54,23	13,56	268,003	268,207	-0,204	6,0	4,0	3,646	24,00	0,00
23.11.19	67,89	54,46	13,43	268,559	268,769	-0,210	6,0	4,0	3,618	24,00	0,00
24.11.19	68,13	54,00	14,12	268,634	268,843	-0,209	6,0	4,0	3,805	24,00	0,00
25.11.19	68,20	54,41	13,79	266,725	266,931	-0,205	6,0	4,0	3,689	24,00	0,00
26.11.19	67,97	54,30	13,67	258,498	253,398	5,101	6,0	4,0	3,544	23,85	0,15
27.11.19	67,26	53,18	14,08	269,586	257,086	12,500	6,0	4,0	3,807	24,00	0,00
28.11.19	67,93	53,56	14,37	268,723	256,996	11,727	6,0	4,0	3,873	24,00	0,00
29.11.19	68,64	54,35	14,29	242,831	238,791	4,040	6,0	4,0	3,479	21,92	2,08
30.11.19	67,74	53,85	13,89	264,368	264,637	-0,269	6,0	4,0	3,683	24,00	0,00
01.12.19	67,07	52,84	14,23	264,180	264,420	-0,240	6,0	4,0	3,770	24,00	0,00
02.12.19	67,73	53,93	13,80	264,074	264,302	-0,228	6,0	4,0	3,655	24,00	0,00
03.12.19	68,20	54,18	14,02	265,853	266,099	-0,247	6,0	4,0	3,739	24,00	0,00
04.12.19	67,70	54,06	13,64	267,966	268,180	-0,214	6,0	4,0	3,666	24,00	0,00
05.12.19	67,51	54,01	13,50	268,410	268,618	-0,208	6,0	4,0	3,634	24,00	0,00
06.12.19	66,65	53,39	13,25	267,953	268,146	-0,192	6,0	4,0	3,562	24,00	0,00
07.12.19	67,90	54,23	13,67	268,605	268,835	-0,230	6,0	4,0	3,683	24,00	0,00
08.12.19	68,48	54,62	13,86	271,272	271,506	-0,234	6,0	4,0	3,771	24,00	0,00
09.12.19	68,21	54,72	13,49	262,845	263,078	-0,233	6,0	4,0	3,557	23,18	0,82
10.12.19	69,43	56,08	13,35	272,982	273,191	-0,209	6,0	4,0	3,656	24,00	0,00
11.12.19	69,84	56,37	13,47	274,607	274,822	-0,215	6,0	4,0	3,710	24,00	0,00
12.12.19	68,41	55,47	12,94	276,747	276,937	-0,190	6,0	4,0	3,592	24,00	0,00
13.12.19	67,39	54,63	12,77	275,105	275,278	-0,172	6,0	4,0	3,524	24,00	0,00
14.12.19	67,05	53,97	13,08	275,460	275,645	-0,185	6,0	4,0	3,614	24,00	0,00
15.12.19	66,43	52,96	13,47	275,085	275,255	-0,170	6,0	4,0	3,717	24,00	0,00
16.12.19	66,73	53,85	12,88	275,547	275,729	-0,182	6,0	4,0	3,559	24,00	0,00
17.12.19	66,94	53,84	13,10	275,438	275,714	-0,276	6,0	4,0	3,618	24,00	0,00
18.12.19	67,06	53,97	13,09	276,578	276,757	-0,179	6,0	4,0	3,632	24,00	0,00
19.12.19	66,92	53,99	12,93	277,440	277,616	-0,176	6,0	4,0	3,599	24,00	0,00
20.12.19	66,56	53,95	12,61	277,337	277,524	-0,187	6,0	4,0	3,508	24,00	0,00
21.12.19	66,11	52,70	13,41	273,870	274,073	-0,203	6,0	4,0	3,684	24,00	0,00
22.12.19	66,89	53,11	13,78	273,616	273,813	-0,197	6,0	4,0	3,781	24,00	0,00

Дата	Температура (°C)			Масса (тн)			Давление (ат)		Теплота (ГКал)	Время работы, час	
	T ₁	T ₂	ΔT	G ₁	G ₂	ΔG	P ₁	P ₂	Q _п	штатное	нештат.
23.12.19	66,70	53,24	13,46	272,824	273,023	-0,199	6,0	4,0	3,685	24,00	0,00
24.12.19	68,55	54,92	13,63	273,560	273,759	-0,199	6,0	4,0	3,740	24,00	0,00
25.12.19	68,92	55,49	13,43	274,424	274,625	-0,201	6,0	4,0	3,697	24,00	0,00
26.12.19	68,33	54,91	13,42	274,424	274,647	-0,223	6,0	4,0	3,695	24,00	0,00
27.12.19	68,20	54,79	13,40	274,404	274,602	-0,198	6,0	4,0	3,690	24,00	0,00
28.12.19	67,19	54,03	13,16	274,314	274,462	-0,148	6,0	4,0	3,622	24,00	0,00
29.12.19	69,15	54,51	14,65	272,713	272,967	-0,254	6,0	4,0	4,007	24,00	0,00
30.12.19	75,69	58,98	16,71	269,536	269,830	-0,293	6,0	4,0	4,517	24,00	0,00
31.12.19	73,31	57,01	16,31	271,932	272,203	-0,271	6,0	4,0	4,447	24,00	0,00
Итого	62,20	53,57	8,63	87147,413	87173,102	-25,689	5,70	3,80	865,111	8179,27	148,73

Место для записи представителя PCO

Ответственный за учет тепловой энергии:

Представитель обслуживающей организации:

