

Adams Township, MI

Secret

2nd letter

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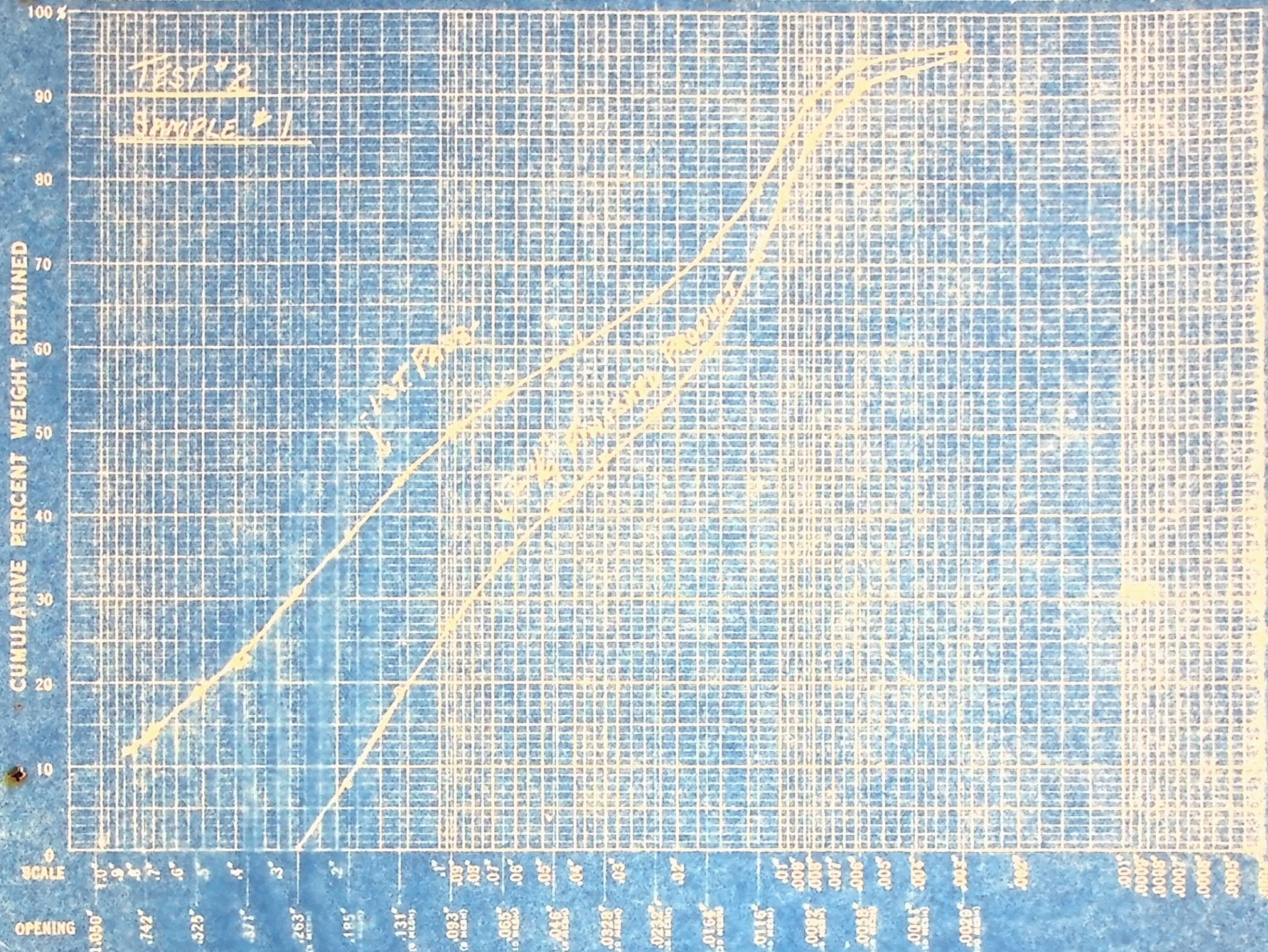
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Cumulative Logarithmic Diagram of Screen Analysis on Sample of WHITE PINE CRUSHER PRODUCTS

Name _____

Date _____

MARCH 15, 1941



Indicate the Screen Crushed through and also First Retaining Screen	SCREEN SCALE RATIO 1.414			1ST PASS 3d PASS		Per Cent Cumulative Weights
	Openings	Mesh	Diameter Wire Inches	Per Cent CUM.	Per Cent CUM.	
RETAINED ON	1.000	20	1.40	12.17		
	.742	25	1.12	17.71		
	.562	32	.88	22.64		
	.425	40	.68	27.33	14.67	
	.315	50	.50	31.50	19.33	
	.235	60	.38	34.99	23.33	
	.177	80	.28	37.70	26.91	
	.132	100	.20	39.78	29.78	
	.098	125	.15	41.21	31.63	
	.074	150	.11	42.18	32.82	
	.056	180	.08	42.76	33.86	
	.042	200	.06	43.01	34.50	
	.032	250	.04	43.34	34.92	
	.024	300	.03	43.52	35.14	
	.018	360	.02	43.58	35.21	
	.014	425	.01	43.61	35.23	
	.010	500	.01	43.62	35.24	
	.008	600	.00	43.63	35.25	
	.006	750	.00	43.64	35.26	
	.005	900	.00	43.65	35.27	
	.004	1080	.00	43.66	35.28	
	.003	1260	.00	43.67	35.29	
	.002	1500	.00	43.68	35.30	
			Total	100.00	100.00	

COPPER RANGE COMPANY

LABORATORY

SAMPLE # 1
Test # 2

SIZING SHEET WHITE PINE MINE RUN PLUS 1".

1st. pass through double impeller impact crusher.

REPORT OF SAMPLES FROM _____ MILL _____ March 15, 1941.

93295-THE MINING GAZETTE CO.

Indicate the Screen Crushed through and also First Retaining Screen	SCREEN SCALE RATIO 1.414				Sample Weights	Per Cent	Per Cent Cumulative Weights	
	Openings		Mesh	Diameter Wire Inches				
	Inches	Milli-meters						
1/2"	25.4	11/16"	1.69	188.8	12.17	12.17	with Intergrade Block 132 Ton	
3/8"	20.6	5/8"	1.57	39.8	2.57	14.74	Cur	
1/2"	25.4	1/2"	1.27	65.4	4.21	18.95	15.8 15.8	
3/8"	20.6	3/8"	1.18	57.2	3.69	22.64	5.8 21.6	
.263	6.680	3	.070	126.8	8.18	30.82	10.4 32.0	
.185	4.699	4	.065	108.1	6.97	37.79	-69.2 -68.0	
.131	3.327	6	.036	101.7	6.56	44.35		
.093	2.362	8	.032	80.8	5.21	49.56		
.065	1.651	10	.035	76.1	4.90	54.46		
.046	1.168	14	.025	62.3	4.01	58.47		
.0328	.833	20	.0172	61.3	3.95	62.42		
.0232	.589	28	.0125	51.8	3.34	65.76		
.0164	.417	35	.0122	90.7	5.85	71.61		
.0116	.295	48	.0092	119.4	7.70	79.31		
.0082	.208	65	.0072	165.9	10.70	90.01		
.0058	.147	100	.0042	67.1	4.33	94.34		
.0041	.104	150	.0026	7.5	.48	94.82		
.0029	.074	200	.0021	23.7	1.53	96.35		
Pass	.0029	200	.0021	56.6	3.65			
Totals,				1551.0	100.0	100.0		

REMARKS:

Some losses resulted from impeller windage, dust collector and leakage.

Primary impeller, 520 R.P.M.

Secondary " 500 R.P.M.

Sized and retapped for 30 minutes.

117 TONS/HR

Adams Township, MI

COPPER RANGE COMPANY

LABORATORY

TEST # 2.
SAMPLE # 1.

Total of 3 passes

SIZING SHEET

WHITE PINE MINE ROCK
THROUGH DOUBLE IMPELLER CRUSHER.

3d. pass - 1/4" product, plus entire 3d. pass product.

REPORT OF SAMPLES FROM _____ MILL _____

Mar. 15, 1941.

98295-THE MINING GAZETTE CO.

Indicate the Screen Crushed through and also First Retaining Screen	SCREEN SCALE RATIO 1.414				Sample Weights	Per Cent	Per Cent Cumulative Weights
	Openings		Mesh	Diameter Wire Inches			
	Inches	Milli-meters					
	1.050	26.67		.149			
	.742	18.85		.135			
	.525	13.33		.105			
	.371	9.423		.092			
	.263	6.680	3	.070	.8	.09	.09
	.185	4.699	4	.065	73.0	8.04	8.13
	.131	3.327	6	.036	94.6	10.42	18.55
	.093	2.362	8	.032	75.9	8.36	26.91
	.065	1.651	10	.035	71.4	7.87	34.78
	.046	1.168	14	.025	56.7	6.25	41.03
	.0328	.833	20	.0172	54.6	6.02	47.05
	.0232	.589	28	.0125	45.5	5.01	52.06
	.0164	.417	35	.0122	74.9	8.25	60.31
	.0116	.295	48	.0092	98.1	10.82	71.13
	.0082	.208	65	.0072	128.5	14.17	85.30
	.0058	.147	100	.0042	62.1	6.84	92.14
	.0041	.104	150	.0026	6.1	.67	92.81
	.0029	.074	200	.0021	18.8	2.07	94.88
Pass	.0029	.074	200	.0021	46.5	5.12	
				Totals,	907.5	100.0	100.0

REMARKS: 3d. pass - 1/4" finished product plus entire 3d. pass product.

Some losses resulted from impeller windage, dust collector and leakage.

Primary impeller, 520 R.P.M.

Secondary " 500 R.P.M.

Sized and retapped for thirty (30) minutes.