

Chicago

Auxiliaries Research

Coffeyville

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Lithopone. 2185 R7,
and Bird Regular and
Bird W-421.

Aug. 9

We have completed the texture tests on the various samples of 2185 R7 grind and the Bird Regular and Bird W-421 lithopone which you submitted as per your letter of the above date. We plan to do additional work on these samples at a later date but I thought maybe you might be interested in the results obtained on texture and the results that they obtained in the plant.

As you know, we run texture on the Hoover Muller by making a quantity of paste with the lithopone in (1), age for a given time and then weigh out given sample for running texture to determine the work required to get different degrees of dispersion. The results of these tests, along with several other samples of similar types are given below.

Sample - - Description	AURL	Texture					
		Grind Obtained by Revolutions					
		12-1/2	25	50	100	200	400
(2185 is the Dry number for W-320 Lithopone).							
2185 Regular, Lot W-4882	1929	3.4	3.6	4.3	5.1	5.5	5.8
W-320, Lot 35230	1112	3.7	4.4	4.8	5.2	5.9	6.0
W-320, R7, Old Expt'l. Lot	1162D	3.6	4.1	4.5	5.2	5.8	6.3
2185, R7, Lot W-4887, from 50 sample	1928	2.6	3.5	4.2	4.9	5.4	5.5
2185, R7, Lot W-4887, repeat trial	1928	2.5	3.3	4.2	5.0	5.7	6.0
2185, R7, Lot 4819B, sample from ATSP Car 136157	1938	3.3	3.7	4.0	5.1	6.0	6.4
2185, R7, Lot 4883C, sample	1939	2.7	3.5	4.1	4.8	5.7	6.2
Bird W-421, Lot P3980, old experimental sample	1147	2.6	3.3	4.2	4.8	5.8	6.3
Bird W-421M, Lot P4891, recent test sample	1927	1.54	2.66	3.46	4.08	5.46	5.75
Bird 461M, Lot C4008, old sample	1463	3.3	4.0	4.7	5.3	5.8	6.6
Bird 461M, Lot 4892, recent experimental sample	1926	2.6	2.9	3.5	4.8	5.6	6.0

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