

E. I. DU PONT DE NEMOURS & COMPANY
PIGMENTS DEPARTMENT
256 VANDERPOOL STREET
NEWARK, NEW JERSEY

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NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT

LAKE RED S - SEMI-WORKS DEVELOPMENT
K-2326 and RT-460-D, K-2373

Period Covered: January 1945 - July 1946.

FILE:

DATE: 7/31/46

222.1

KN-46-44

LOT #	DATE	BATCH SIZE	PTGSA	CIARIC FICA- TION	ROSH- ATE AGING	TIME OF DEVEL.	TEMP. OF DEVEL.	DEVELOPMENT TIME FOR MAX. STRENGTH
1871	1/30/45	27	LOT 175 004226	Ng	Ng	20'	Redl	-
1881	2/3	27	549 004957	"	"	"	"	"
3076(5)	4/9	27	175 76	"	"	"	"	"
3344	8/20	54	"	"	"	"	"	"
8409(8)	9/19	54	549 18	Yes	"	"	"	"
8453(8)	10/16	27	"	"	"	"	"	"
8485(4)	10/26	27	"	"	"	"	"	"
8489(8)	10/29	27	175 82	Ng	"	"	"	"
8495(4)	10/31	27	549 18	Yes	"	"	"	"
8505(4)	11/5	27	175 82	Ng	"	20'	"	"
8515	11/9	27	"	"	"	20'	"	W.G.
8517	11/9	→ Mix (see note)						
8523	11/13	27	175 82	Ng	"	20'	2052	0-5' Redl
8532	11/16	27	549 18	Yes	"	0'	Redl	5-10' Redl
8538	11/20	81	"	"	"	20'	2052	20' 2052
8558	12/5	81	"	"	"	20'	"	(20' 2052 (10' 2052 Redl
8576	12/11	81	"	"	"	20'	"	40' 2052
8592	12/19	81	" 83	23	"	20'	Redl	5-20' Redl
8663	2/15/46	27	"	Ng	120'	"	"	10' Redl
8662	2/28	"	"	"	0'	"	"	5'
8664	2/27	"	"	"	120'	"	"	5-15'
8668	2/26	"	"	Yes	30'	"	"	N.C.
8675	2/6	"	"	Yes	30'	"	"	10'
8677	3/11	"	"	Ng	30'	"	"	10'
8681	3/13	135	"	Yes	45'	"	"	5-10'
8683	3/19	"	"	"	45'	"	"	10'
8684	3/23	"	"	"	45'	"	"	15'
8702	4/1	"	"	"	45'	7	"	5-15'
8707	4/4	"	"	"	45'	10'	"	5-10'
8837	7/1	→ Mix of lots 8558, 8592, 8666, 8702 and 8707						
8843	7/9	→ Mix of lots 8558, 8592, 8666, 8702 and 8707						
8851		→ Mix of lots 8558, 8592, 8666, 8702, 8707, 8837 and 8843.						
8852		→ Lot 8851 plus 2 1/2% sodium meta silicate						
8517		Mix of N.B. lots 8409, 8408, 8504, 8494, 8495, 8458, 8484, 8485, 8488, 8489.						

*Lot 83 coded N-549 actually "low" grade N-175.

N39997.01

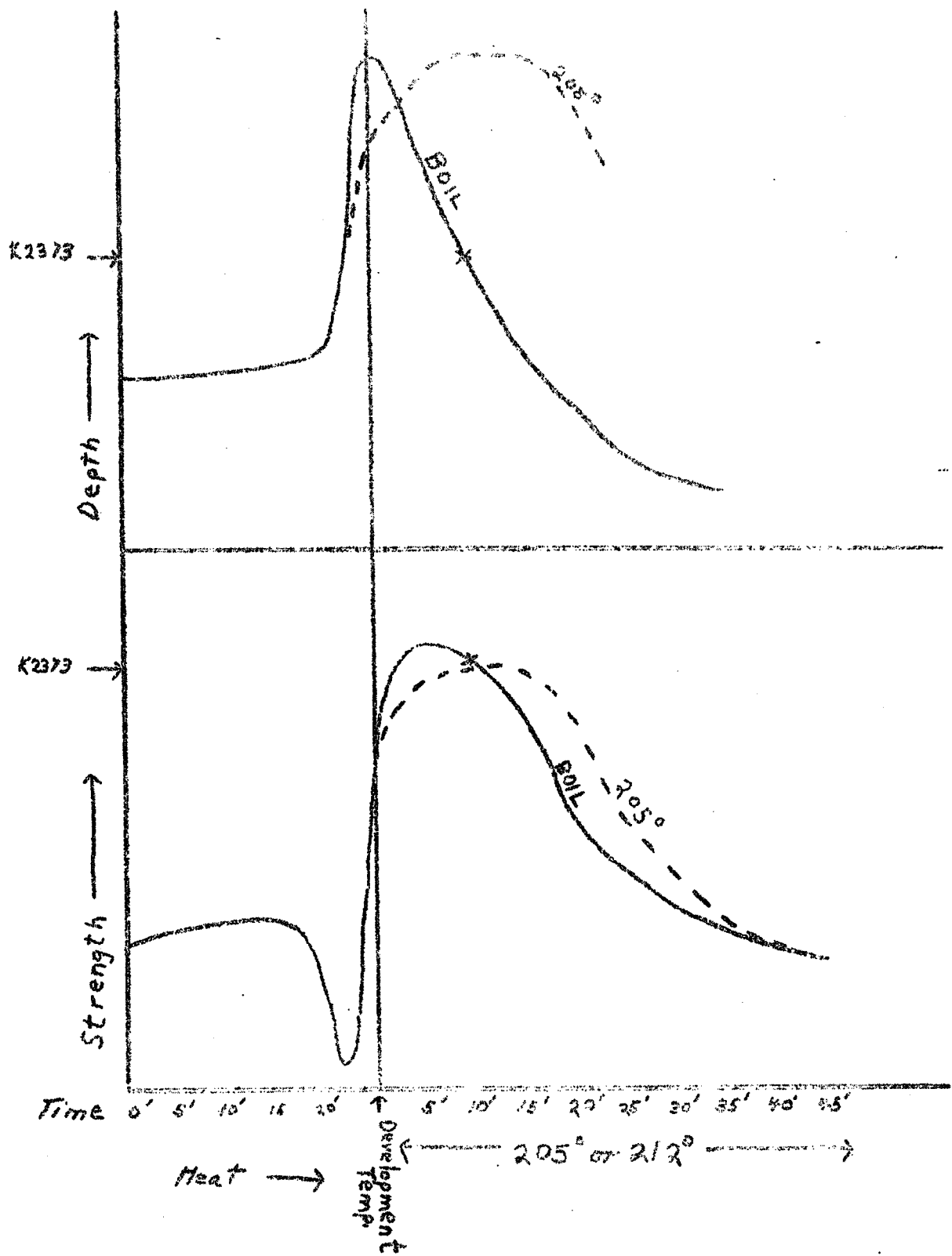
INTERMIT EVALUATION

STABILITY 100% HUM.

STABILITY 75% HUM.

STD. NO.	MT	SD	UT	ST	TIME	Gain Wt.	MT	IT	Gain Wt.	MT	IT	N.B. Reference
7871	vs dk	-	-	-	-	8.49	v lt	wt, v rel	2.40	vs lt	wt, v rel	
7872	lt	-	-	-	-	4.79	lt	wt, v rel	1.96	vs lt	wt, v rel	
7883	lt, rel	-	-	-	-	3.16	vs lt	wt, v rel	1.86	lt	wt, v rel	
7871	dk, bl	-	-	-	-	5.42	vs dk	-	2.30	-	-	
7872	dk, bl	-	-	-	-	4.23	lt	wt, v rel	1.63	lt	wt, v rel	
7883	dk, bl	-	-	-	-	3.32	lt	wt, v rel	1.67	lt	wt, v rel	
7871	dk, bl	-	-	-	-	4.17	v lt	wt, v rel	1.90	v lt	wt, v rel	
7872	dk, bl	-	-	-	-	3.93	v lt	wt, v rel	1.94	v lt	wt, v rel	
7883	dk, bl	-	-	-	-	2.67	v lt	wt, v rel	1.87	v lt	wt, v rel	
7871	dk, bl	-	-	-	-	2.438	v lt	wt, v rel	1.77	v lt	wt, v rel	
7872	dk, bl	-	-	-	-	3.59	v lt	wt, v rel	2.18	v lt	wt, v rel	
7883	dk, bl	-	-	-	-	4.94	v lt	wt, v rel	2.03	v lt	wt, v rel	
7871	dk, bl	-	-	-	-	5.51	lt	wt, v rel	3.28	lt	wt, v rel	
7872	dk, bl	-	-	-	-	3.77	v lt	wt, v rel	2.00	v lt	wt, v rel	
7883	dk, bl	-	-	-	-	2.62	v lt	wt, v rel	1.76	lt	wt, v rel	
7871	dk, bl	-	-	-	-	4.58	lt	wt, v rel	2.00	lt	wt, v rel	
7872	dk, bl	-	-	-	-	3.89	lt	wt, v rel	1.82	v lt	wt, v rel	
7883	dk, bl	-	-	-	-	2.84	v lt	wt, v rel	1.80	v lt	wt, v rel	
7871	dk, bl	-	-	-	-	2.62	v lt	wt, v rel	1.93	v lt	wt, v rel	
7872	dk, bl	-	-	-	-	2.22	lt	wt, v rel	1.76	lt	wt, v rel	
7883	dk, bl	-	-	-	-	4.21	v lt	wt, v rel	1.80	v lt	wt, v rel	
7871	dk, bl	-	-	-	-	2.58	v lt	wt, v rel	1.68	v lt	wt, v rel	
7872	dk, bl	-	-	-	-	2.45	lt	wt, v rel	1.85	lt	wt, v rel	
7883	dk, bl	-	-	-	-	3.46	v lt	wt, v rel	1.95	v lt	wt, v rel	
7871	dk, bl	-	-	-	-	6.83	v lt	wt, v rel	2.10	v lt	wt, v rel	
7872	dk, bl	-	-	-	-	7.60	v lt	wt, v rel	2.24	v lt	wt, v rel	

*MT and tint became darker and bluer and stronger on drying.



N39997.02

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