E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
WILMINGTON, DELAWARE 19898

CHEMICALS AND PIGMENTS DEPARTMENT
CHESTNUT RUN

*EADonald-C&P-B-6237
*BHGarth-C&P-B-6237
*DWHoppenjans-C&P-B-6237
RARepetto-C&P-B-6237
HDJames-C&P-Cleveland Sales
JEGrady-C&P-Cleveland Sales
*PAWriede-C&P-Jackson Lab
REPeavy-C&P-Newark Plant
WRZonin-C&P-Newark Plant
JALamiet/EWStewart
NJKane
FRHilfiker
*ELCairns
GRPatrick
*attachments

February 1, 1983

F. W. COSTER, F&FP DEPT., MARSHALL LAB
I. P. ESBITT, F&FP DEPT., MARSHALL LAB
V. J. DI PIETRO, F&FP, MARSHALL LAB

PROPOSED INSTRUMENTAL COLOR LIMITS FOR COLORED PIGMENTS

The attached tables summarize the data compiled by our Newark Plant on the proposed instrumental color limits for the various colored pigments used by F&FP. The tables include the following information:

- C&P Pigment code
- F&FP W-code
- TF Test Method
- Vehicle System Tested In
- Evaluated as Paint or Hoover Muller Rub-out
- Proposed Instrumental Color Limits (accuracy of tests is approximately 2%)

The letters in the column preceding the ΔL column represent the following:

ROMT - Rub-out - masstone
RODT - Rub-out - deeptone (33/67 tint)
ROEX - Rub-out - extension (5/95 tint)
PTMT - Paint Test - masstone
PTME - Paint Test - metallic
PTBL - Paint Test - 15/85 molyorange blend
PTEX - Paint Test - extension (5/95 tint)
B/L - Black Line - transparency

N 27495

The method of dispersion for the paint tests will be supplied at our 2/24 meeting.

Please call [(302) 999-2180] if you have any questions on the charts.

G. [illegible] PATRICK

GRP/ilc
attachs.

3-10-83

CODE DU PONT	F&FP		TF#		VEH		ΔL	ΔA	ΔB	ΔE
A-148	W-253	OK				ROMT				
						RODT				
						ROEX				
						PTMT				
						PTME				
						PTBL				
			1026		ALKYD	PTEX	+.5 / -1.0	+.5 / -.5	+.5 / -.5	1.2
						B/L	(trans)			
A-143	KW7827	OK				ROMT				
						RODT				
						ROEX				
						PTMT				
						PTME				
						PTBL				
			1026		ALKYD	PTEX	+.5 / -1.0	+.5 / -.5	+.5 / -.5	1.2
						B/L	(trans)			

N 27495.01

DUP050146264

CODE

DUPONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
						ROMT							
						RODT							
						ROEX							
RT565	W328	OK	1026		ALKYD	PTMT	+1.0 −1.0		+1.2 −.6		+.8 −.8		1.4
						PTME							
						PTBL							
			1026		ALKYD	PTEX	+.5 −.5		+1.0 −.5		+.8 −.8		1.2
						V'S B/I	(trans)	±17					
						ROMT							
						RODT							
						ROEX							
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/I	(trans)						

CODE

DUPONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
						ROMT							
						RODT							
						ROEX							
T-695	W-300	OK	1026		ALKYD	PTMT	+1.0		+1.2		+1.0		1.6
							-1.0		-.6		-1.0		
						PTME							
						PTBL							
						PTEX	+.5		+1.0		+.8		1.2
							-.5		-.6		-.8		
						VIS B/L	(trans)	±17					
RT-792	W393	OK				ROMT							
			7001		VARNISH	RODT	+.8		+1.0		+1.1		1.4
							-.8		-.6		-.8		
			7001			ROEX	+.5		+1.4		+.9		1.6
							-.5		-.7		-.9		
						PTMT							
			1040			PTME	+.6		+1.0		+.8		1.3
							-.6		-.6		-.8		
						PTBL							
			1040			PTEX	+.5		+1.3		+.8		1.4
							-.5		-.7		-.8		
						VIS B/L	(trans)	±11					

CODE DUPONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
RT-531	W396	OK	7001		VARNISH	ROMT							
						RODT							
			7001		VARNISH	ROEX	+.5		+.8		+.8		1.2
							-.5		-.8		-.8		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						VIS B/L	(trans)	±17					
RT-243	W-805	OK				ROMT							
						RODT							
						ROEX							
						PTMT							
						PTME							
						PTBL							
			1040		TSH	PTEX	+.6		+.7		+.8		1.4
							-.6		-.7		-.8		
						VIS B/L	(trans)	±17					

CODE

DUPONT	F&FP		TF#		VEH		ΔL		ΔA	ΔB	ΔE
T-759	W811	OK	7001		VARNISH	ROMT	+.5		+1.0	+.9	1.3
							-.5		-1.0	-.9	
						RODT					
			7001		VARNISH	ROEX	+.5		+1.0	+.8	1.3
							-.5		-1.0	-.8	
						PTMT					
						PTME					
						PTBL					
						PTEX					
						VIS B/L	(trans)	±11			
T-795	W818	OK				ROMT					
			7001		VARNISH	RODT	+.5		+1.0	+.9	1.3
							-.5		-1.0	-.9	
			7001		VARNISH	ROEX	+.5		+1.0	+.9	1.3
							-.5		-1.0	-.9	
						PTMT					
						PTME					
			1040		TSA	PTBL	+1.0		+1.0	+1.0	1.5
							-1.0		-1.0	-1.0	
			1040		TSA	PTEX	+.5		+1.1	+1.1	1.6
							-.5		-1.1	-1.1	
						VIS B/L	(trans)	±11			

CODE

DUPONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
RT-796	W819	OK				ROMT							
			7001		VARNISH	RODT	+.6		+.8		+1.1		1.3
							-.6		-.8		-1.1		
			7001		VARNISH	ROEX	+.5		+.8		+1.0		1.2
							-.5		-.8		-1.0		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						VIS B/L	(trans)	±11					
RT-428	W338	OK	7001		VARNISH	ROMT	+1.5		+1.6		+1.2		1.8
							-1.5		-1.0		-1.2		
						RODT							
			7001		VARNISH	ROEX	+.5		+.9		+.7		1.2
							-.5		-.9		-.7		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						VIS B/L	(trans)	±17					

CODE

DU PONT	F&FP		TF#		VFH		ΔL		ΔA		ΔB		ΔE
2T-887	W839	OK				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.5		+1.0		+1.0		1.4
							-.5		-1.0		-1.0		
						PTMT							
						PTME							
			1040		TSM	PTBL	+1.0		+1.2		+1.0		1.5
							-1.0		-1.0		-1.0		
						PTEX							
						B/I	(trans)	± 11					
T-201	W845	OK				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.5		+1.0		+1.0		1.4
							-.5		-1.0		-1.0		
						PTMT							
						PTME							
			1040		TSM	PTBL	+1.0		+1.2		+1.0		1.5
							-1.0		-1.0		-1.0		
						PTEX							
						B/I	(trans)	± 11					

CODE DU PONT	F&FP		TF#	VEH		ΔL		ΔA		ΔB		ΔE
RT-209	W846	(ok)			ROMT							
Replaced by W-393					RODT							
					ROEX							
					PTMT							
			1042	TPA	PTME	+.7		+1.0		+1.0		1.4
						-.7		-1.0		-1.0		
					PTBL							
			1042	TPA	PTEX	+.7		+1.2		+1.0		1.5
						-.7		-1.0		-1.0		
					VIS B/L	(trans)	±17					
RT-233	W853	OK			ROMT							
					RODT							
					ROEX							
					PTMT							
			1042	TPA	PTME	+.7		+1.0		+1.0		1.4
						-.7		-1.0		-1.0		
					PTBL							
			1042	TPA	PTEX	+.7		+1.2		+1.0		1.5
						-.7		-1.0		-1.0		
					VIS B/L	(trans)	±11					

CODE DU PONT	F&FP		TE#		VEH		ΔL		ΔA		ΔB		ΔE
ST-218	W890	OK				ROMT							
						RODT							
						ROEX							
						PTMT							
			1040		TSA	PTME	+.7		+1.0		+1.0		1.4
							-.7		-1.0		-1.0		
						PTBL							
			1040		TSA	PTEX	+.7		+1.2		+1.0		1.5
							-.7		-1.0		-1.0		
						B/L (trans)		±17					
ST-284	W505	OK				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.5		+.7		+.8		1.1
							-.5		-.7		-.8		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/L (trans)		±11					

CODE

DUPONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
BP-479	W507	OK				ROMT							
						RODT							
						ROEX							
						PTMT							
			1042		TPA	PTME	+.5		+.8		+.8		1.4
							-1.2		-.8		-.8		
						PTBL							
			1042		TPA	PTEX	+.6		+.8		+.8		1.3
							-.6		-.8		-.8		
						B/I	(trans)	±11					
BT-383	W550	OK				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.5		+.8		+.8		1.2
							-.5		-.8		-.8		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/I	(trans)	±11					

CODE DU PONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
SL-282	W551	OK				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.6		+.8		+.8		1.3
							-.6		-.8		-1.1		
						PTMT							
						PTME							
						PTBL							
			1040		TSA	PTEX	+.6		+.8		+.8		1.3
							-.6		-.8		-1.2		
						VIS B/L	(trans)	±11					
ST-417	W552	OK				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.6		+.8		+.8		1.2
							-.6		-.8		-1.1		
						PTMT							
						PTME							
						PTBL							
			1040		TSA	PTEX	+.6		+.8		+.8		1.3
							-.6		-.8		-1.2		
						VIS B/L	(trans)	±11					

CODE DU PONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
BT-425	W537	OR				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.6		+.8		+.8		1.2
							-.6		-.8		-1.0		
						PTMT							
						PTME							
						PTBL							
			1026		ALKYD	PTEX	+.6		+.8		+.8		1.3
							-.6		-.8		-1.0		
						B/L	(trans)	±11					
BT-427	W558	OR				ROMT							
						RODT							
			7001		VARNISH	ROEX	+.6		+.8		+.8		1.2
							-.6		-.8		-.8		
						PTMT							
						PTME							
						PTBL							
			1026		ALKYD	PTEX	+.6		+.8		+.8		1.2
							-.6		-.8		-.8		
						B/L	(trans)	±11					

CODE DU PONT	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
VT-562	W612	OK				ROMT							
						RODT							
			7001		VARIOUS	ROEX	+.5		+.8		+1.1		1.2
							-.5		-.8		-.8		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/L	(trans)	±11					
0789	W618	OK	7001		VARIOUS	ROMT	+.8		+.9		+1.2		1.5
							-.8		-.9		-.8		
						RODT							
			7001		VARIOUS	ROEX	+.6		+1.0		+.9		1.3
							-.6		-1.0		-.9		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/L	(trans)	—					

CODE

DUPONT	F&EP		TE#		VEH		ΔL	ΔA	ΔB	ΔE
VE-637	W622	OK	7001		VARNISH	ROMT	+.8	+1.0	+1.0	1.3
							-.8	-.8	-1.0	
						RODT				
			7001		VARNISH	ROEX	+.6	+.9	+1.0	1.5
							-.6	-.9	-1.0	
						PTMT				
						PTME				
						PTBL				
						PTEX				
						B/L	(trans) —			
K1781	W633	OK	7001		VARNISH	ROMT	+1.0	+1.3	+1.3	1.6
							-1.0	-.9	-.8	
						RODT				
			7001		VARNISH	ROEX	+.5	+.8	+1.2	1.4
							-.5	-.8	-.8	
						PTMT				
						PTME				
						PTBL				
						PTEX				
						B/L	(trans) —			

CODE U P O N T	F&FP		TF#		VEH		ΔL		ΔA		ΔB		ΔE
T858	W-635	OK				ROMT							
						RODT							
						ROEX							
			1044		GTUGL	PTMT	+.8		+.8		+1.0		1.4
							-.8		-.8		-1.0		
						PTME							
						PTBL							
			1044		GTUGL	PTEX	+.5		+1.0		+.8		1.2
							-.5		-1.0		-.8		
						B/L	(trans)	—					
T-815	W647	OK				ROMT							
						RODT							
						ROEX							
						PTMT							
			1040		TSA	PTME	+.8		+1.0		+.8		1.4
							-.8		-1.0		-.8		
						PTBL							
			1040		TSA	PTEX	+.6		+1.1		+.9		1.5
							-.6		-1.1		-.9		
						B/L	(trans)	±11					

CODE

DU PONT	FREP		TE#		VEH		ΔL		ΔA		ΔB		ΔE
YE-698	W652	OK	7001		VARIOUS	ROMT	+.8		+.8		+.8		1.2
							-.8		-.8		-.8		
						RODT							
			7001		VARIOUS	ROEX	+.5		+.8		+.9		1.3
							-.5		-.8		-.9		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/L	(trans)	—					
YT-714	W653	OK				ROMT							
						RODT							
			7001		VARIOUS	ROEX	+.5		+.8		+1.1		1.2
							-.5		-.8		-.8		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/L	(trans)	± 11					

CODE

U P O N T	F&EP		TF#		VFH		ΔL	ΔA	ΔB	ΔE
E-721	W655	DK	7001		VARNISH	ROMT	+.8 -.8	+.8 -.8	+.8 -.8	1.2
						RODT				
			7001		VARNISH	ROEX	+.5 -.5	+.8 -.8	+.9 -.9	1.3
						PTMT				
						PTME				
						PTBL				
						PTEX				
						B/L	(trans) —			
0786	W665	DK	7001		VARNISH	ROMT	+.8 -.8	+.9 -.9	+1.1 -1.1	1.6
						RODT				
			7001		VARNISH	ROEX	+.6 -.6	+1.0 -1.0	+1.1 -.8	1.3
						PTMT				
						PTME				
						PTBL				
						PTEX				
						B/L	(trans) —			

CODE

DU PONT	FREP		TFI		VEH		ΔL	ΔA	ΔB	ΔE
Y-758	W670	OK				ROMT				
						RODT				
			7001		Varnish	ROEX	+.5	+.9	+1.1	1.3
							-.5	-.9	-1.1	
						PTMT				
						PTME				
						PTBL				
						PTEX				
						B/L	(trans) —			
Y-433	W679	OK	7001		Varnish	ROMT	+.8	+.9	+1.0	1.3
							-.8	-.9	-1.0	
						RODT				
			7001		Varnish	ROEX	+.6	+.8	+1.4	1.4
							-.6	-.8	-.8	
						PTMT				
						PTME				
						PTBL				
						PTEX				
						B/L	(trans) —			

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CODE POINT	FREP		TEX		VEH		ΔL		ΔA		ΔB		ΔE
Y-469	W686	OK	7001		VARNISH	ROMT	+.8		+.8		+.9		1.3
							-.8		-.8		-.9		
						RODT							
			7001		VARNISH	ROEX	+.5		+.8		+1.4		1.4
							-.5		-.8		-.8		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/L	(trans)	—					
1795	W690	OK	7001			ROMT	+.8		+1.3		+1.2		1.4
							-.8		-.9		-.8		
						RODT							
			7001			ROEX	+.5		+.8		+1.1		1.4
							-.5		-.8		-1.1		
						PTMT							
						PTME							
						PTBL							
						PTEX							
						B/L	(trans)	—					

CODE DU PONT	FAFP		TF#		VEH		ΔL		ΔA		ΔB	
ST-860	W724	OK				ROMT						
						RODT						
						ROEX						
						PTMT						
			1026		ALKYD	PTME	+.8		+.8		+.8	
							-.8		-.8		-.8	
						PTBL						
			1026		ALKYD	PTEX	+.6		+.8		+.8	
							-.6		-.8		-.8	
						K/I	(trans)	±11				
ST 751	W730					ROMT						
	To be renewed by request similar as W-724			C.E.P.		RODT						
			1001		VARNISH	ROEX	+.5		+.8		+.8	
							-.5		-.8		-.8	
						PTMT						
						PTME						
						PTBL						
						PTEX						
						K/I	(trans)	±11				