CG 03 CODE KY-787-D

SEP·30·80 37285

STANDARD HRS. 10.6 TIME 7P M

PROCESSES		APPROVED BY
( ) KY-787-S	(S)	FWP 9/18/80
( )	( )	(XOB-17: 3/4
( )	( )	N-32-D & 240
( )	( )	MIN STRIKE)

TYPED BY: FWP 9/18/80

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13099	2600
14	YC002B	93	24983	800
14	YC002B	93	13087	800

#2 HOMO - 1ST PASS

#3 HOMO 2 ND PASS

TOTAL EST'D WGT 5845

NON-BLEEDING

EQUIP		NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203 & 205 263	1	RUN 60"(990 GAL) WATER INTO V-203 WITH AGITATOR ON HIGH SPEED & ADD CAUSTIC	40	7-D	20
	2	WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	32-D	420
	3	DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
1		RECORD: START 12:15 PM FIN 1:30 AM. 13099 24983 13087	2600 800 800		
	4	ADJUST TO 75" (1275 GAL)			
	5	WITH AGITATOR ON LOW SPEED PUMP V-203 THRU HOMOG AT 2400-2600 PSI INTO V-205 263			
	6	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN HOT WATER AT 2400-2600 PSI INTO V-263			
	7	RECORD: V-263 VOL._____" & ADJUST TO 60"(2100 GAL)			
	8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY 1" V-246 3" V-264			
208 263 SV 2	9	RUN 4"(200 GAL) WATER INTO V-246, START AGITATOR & INSTALL TEMP CHART			
	10	PUMP V-263 THRU HOMOG AT 4800-5200 PSI INTO SV RECORD: TIME START 500A TOTAL MINUTES 210			
	11	NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI, 3-WAY VALVE WILL RECIRCULATE SLURRY TO V-263			
	12	WHEN V-263 MT, RUN IN 5"(240 GAL) WATER & PUMP THRU HOMOG AT 4800-5200 PSI INTO SV			
349 & 384 3	12	WHILE HOMOG, RUN 6" (284 GAL) WATER INTO V-349			
	13	RUN 1000# WATER INTO V-384 & HEAT TO 110-120*F			
	14	WEIGH INTO V-384 & PUMP TO V-349 ✓	2415	32-D	2415
	15	RUN 1000# WATER INTO V-384 & PUMP TO V-349			
	16	ADJ V-349 TO 17" (805 GAL) & STIR 15 MIN			
	17	RECORD DENSITY: 1.103 G/ML (1.103-1.105) V-48" V-246			
SV 4	18	WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24 (2420 GAL)			
	19	RECORD: PH 10.7 & ADJ TO 11.1-11.3 WITH CAUSTIC AT 5% (10 PARTS WATER TO 1 PART N-7-D) ASSUME 50%	16	7-D	80
		SIPHON N-7-D INTO SV & RECORD: PH 11.1			
	20	HEAT TO 190-194*F IN 55-65 MIN & REC: HT 187*F & RECORD: 194 *F			
		NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON ON COMPLETION OF HEATING			
343 & 384 5	21	WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO V-343 & METER IN SULFURIC ACID FROM V-386 MK____, 1029#/GAL, 33.4 GAL	_____	27-D	361
	22	STIR 15 MIN OR LONGER			
	23	RECORD: DENSITY 1.023 G/ML (1.023-1.025)			

N34937

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EQUIP		PAGE 2 CG 03 KY-787-D EST WGT 3845# V-246	USE LBS	N- CODE	USE LBS
	24	WHEN S 20 HEATING COMPLETE, RECORD: PH 10.2			
	25	SET V-343 ACID PUMP AT 49 SETTING (285 MIN)			
	26	SET V-349 SILICATE PUMP AT 38 SETTING (240 MIN)			
	27	IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV			
SV		AT 190-194*F DURING STRIKE			
	28	RECORD: START FINISH MINUTES			
		V-343 10:39¼ 3:25 295			
		V-349 ____ 235 245			
		V-343 V-349 SV NORMAL			
		10:30 TIME INCHES 41 INCHES 17 PH PH			
		AT 20 MIN 10:50 (37) 39- (16) = 10.0 (9.3-10.0)			
		40 MIN 11:10 (34) + (14) ___ 10.0 (9.3-10.0)			
6		1 HR 11:30 (31) 33- (13) = 9.95 (9.3-10.0)			
		2 HR 12:30 (23) 34 (9) ___ 9.85 (9.3-10.0)			
		3 HR 1:30 (15) 16 (4) + 9.8 (9.3-10.0)			
		4 HR 2:30 (6) 7 (0) + 9.7 (9.3-10.0)			
		FINISH 3:15 (0) 0 8.2 (7.5-8.5)			
		NOTE: IF PH DROPS BELOW 9.3 IN FIRST HOUR, STOP PUMPS & SEE SUPV. IF FINAL PH IS ABOVE 8.5, ADJ TO 7.5-8.5 ASSUME 77%	_____	27-D	_____
330	29	RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO			
7		160-170*F			
	30	ADD DRESINATE "X" IN 12-13 MIN	600	530-A	600
	31	STIR 5 MIN & RECORD: PH 10.2 (9.5-10.5)			
	32	STIR 20 MIN OR LONGER FOR S-45			
385	33	RUN 40"(308 GAL) WATER INTO V-385 & HEAT TO			
8		135-140*F			
	34	DUMP IN ALUM & STIR TO DISSOLVE FOR S-41	280	15-A	280
302	35	ADD 42" (513 GAL) WATER TO V-302			
9	36	ADD & STIR 2 MIN FOR S-43 ASSUME 50%	320	7-D	160
SV	37	WHEN V-349 MT, RINSE IN WITH MINIMUM WATER & SET PUMP AT ZERO SETTING			
10	38	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER & TURN OFF PUMP MOTOR			
	39	TURN OFF STEAM			
	40	SIFT IN BLANC FIXE	200	128-A	200
	41	RUN IN V-385 FROM S 34 & STIR 5 MIN			
	42	RECORD: PH 3.6 (3.7-4.2)			
	43	RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5 MIN			
	44	RECORD: PH 9.4 (9.0-9.5) & IF NECESSARY ADJ TO PH 9.0-9.5. RECORD: PH____ ASSUME 77%	_____	27-D	_____
		DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50%	_____	7-D	_____
		SIPHON N-7-D INTO SV			
	45	RUN IN V-330 THRU 20 MESH SCREEN & STIR 20 MIN			
330	46	RUN 11" (216 GAL) WATER INTO V-330			
11	47	DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48	230	20-A	230
SV	48	RUN V-330 INTO SV IN 15-20 MIN			
12	49	STIR 15 MIN & RECORD: PH 9.2 (9.0-10.0)			
	50	DO NOT STOP AGITATOR			
		START FINISH OPERATOR			
		7:30A 3:00PM 235			
		3 pm 6 pm 201-223			
		E			

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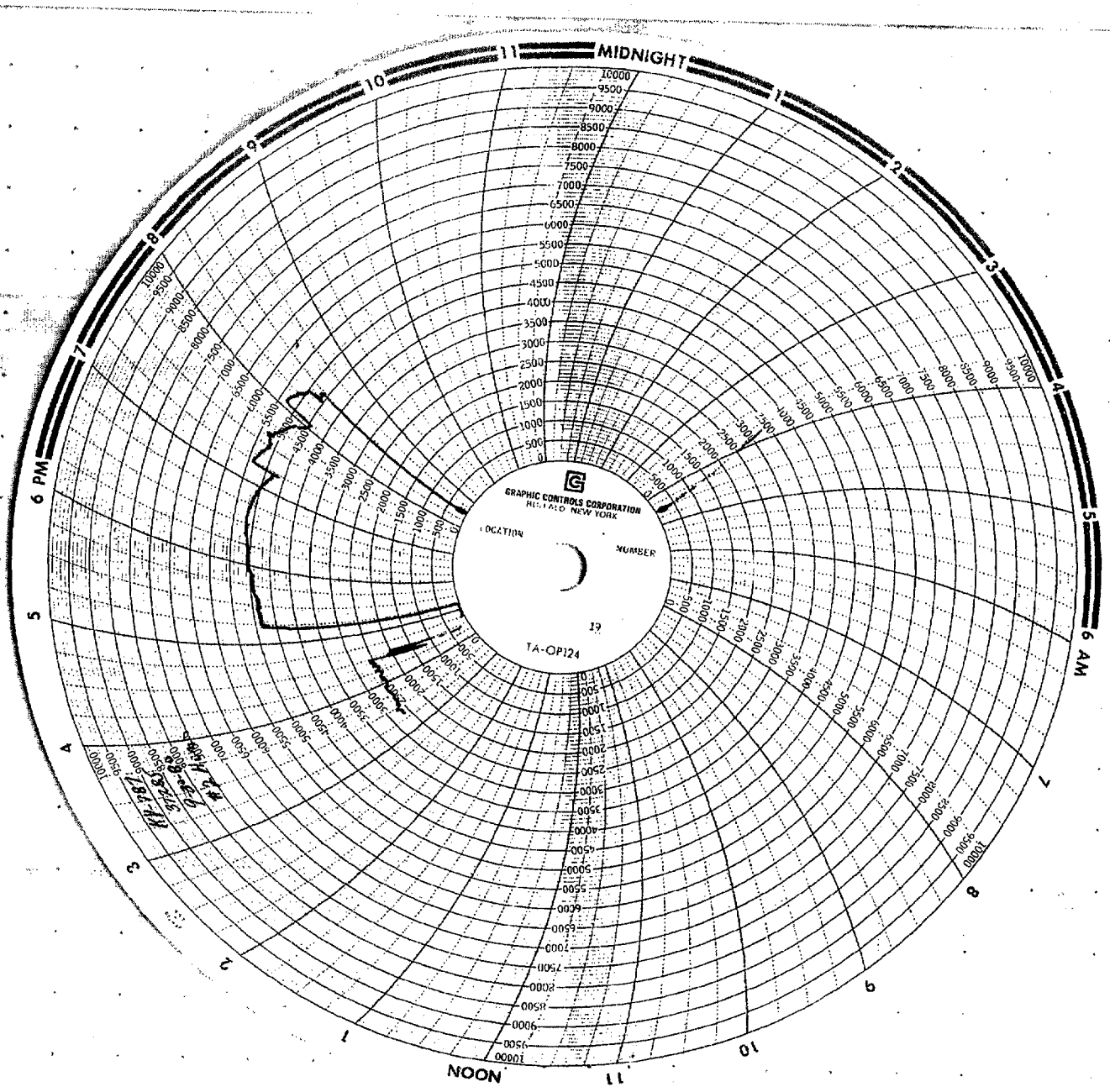

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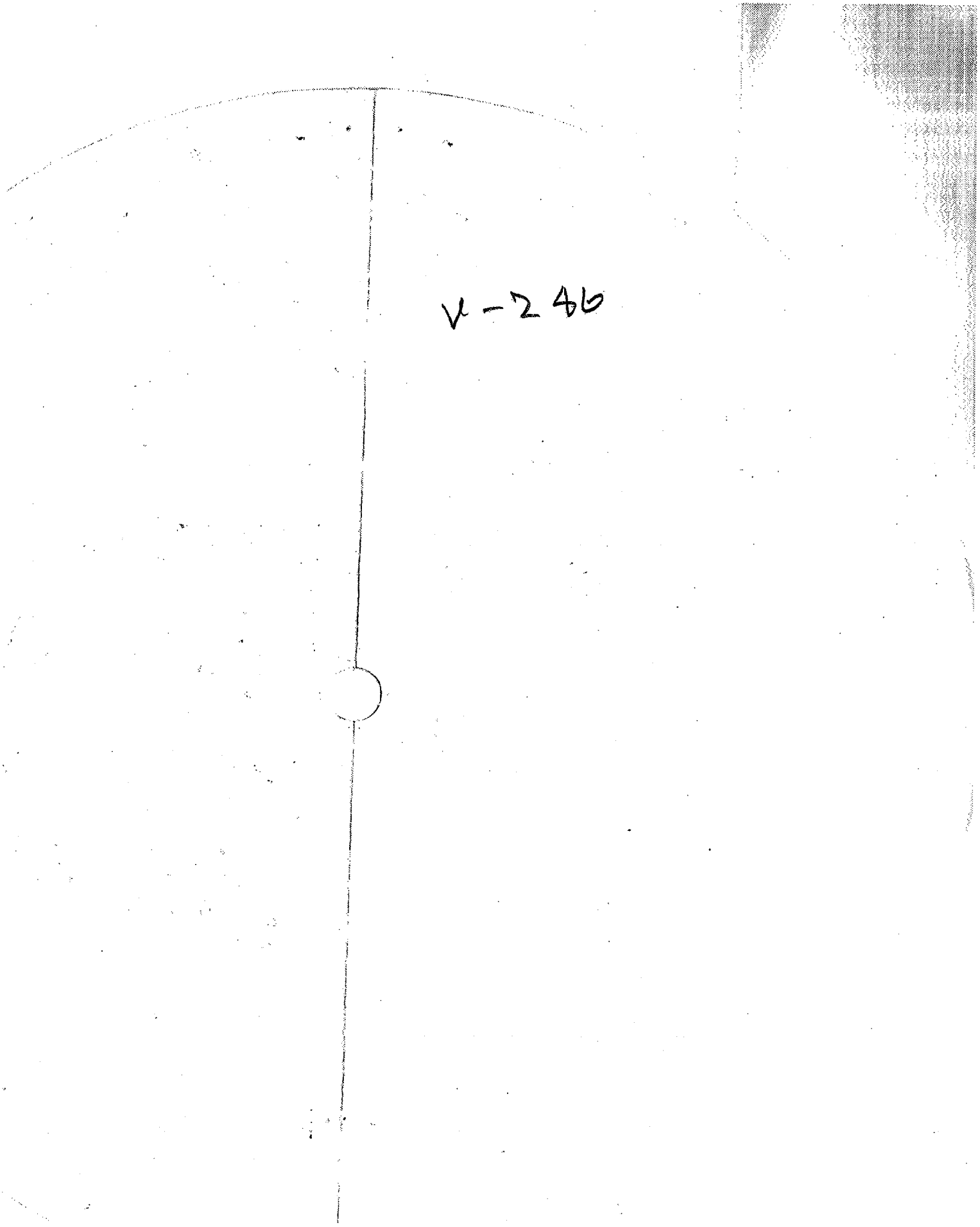
V-246

MIDNIGHT
6 AM
NOON
6 PM
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