CG 03 CODE KY-787-D

10-1-80 LOT - 37294

STANDARD HRS. 10.6 TIME 7-17 M

PROCESSES
( ) KY-787-D (R)
( )
( )
( )

APPROVED BY
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	13097	1000
14	YC002B	93	13091	1400
14	YC002B	93		

TOTAL EST'D WGT 3332

NON-BLEEDING

EQUIP		NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203 & 205	1	RUN 60"(990 GAL) WATER INTO V-203. RUN AGITATOR ON HIGH SPEED.			
	2	WEIGH SODIUM SILICATE INTO DRUM & POUR IN	240	32-D	240
	3	DUMP IN CHROME YELLOW & STIR 5 MIN	48X50	YC-2-B	2400
		RECORD: START 6:30 PM	1000		
1		FIN 8:PM	1400		
	4	ADJUST TO 75" (1275 GAL)			
	5	WITH AGITATOR ON LOW SPEED PUMP V-203 THRU HOMOG AT 2400-2600 PSI INTO V-205			
	6	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN HOT WATER AT 2400-2600 PSI INTO V-205			
	7	RECORD: V-205 VOL. 47 " & ADJUST TO 60"(2100 GAL)			
	8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
208 & SV	9	RUN 4 "(200 GAL) WATER INTO V-247 START AGITATOR & INSTALL TEMP CHART			
	10	PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV. RECORD: TIME START 3:15 PM TOTAL MINUTES 140			
2		NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI, 3-WAY VALVE WILL RECIRCULATE SLURRY TO V-205			
	11	WHEN V-205 MT, RUN IN 5"(240 GAL) WATER & PUMP THRU HOMOG AT 4800-5200 PSI INTO SV			
349 & 384	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	1380	32-D	1380
	15	RUN 1000# WATER INTO V-384 & PUMP TO V-349			
3	16	ADJ V-349 TO 17" (805 GAL) & STIR 15 MIN			
	17	RECORD DENSITY: 1.059 G/ML (1.059-1.060)			
SV	18	WHEN S-11 HOMOG COMPLETE, ADJ SV TO 42"(2420 GAL)			
	19	RECORD: PH 10.2 & ADJ TO 11.1-11.3 WITH CAUSTIC			
4		AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
		ASSUME 50%	26	7-D	13
		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 & 386	21	WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO V-343 & METER IN SULFURIC ACID FROM V-386			
		MK 60 , 10.92#/GAL 19.1 GAL		27-D	206
	22	STIR 15 MIN OR LONGER			
5	23	RECORD: DENSITY 1.013 G/ML (1.013-1.014)			

EQUIP		PAGE 2 CG 03 KY-787-D EST WGT 3332# V-247	USE LBS	N-CODE	USE LBS
	24	WHEN S 20 HEATING COMPLETE, RECORD: PH 9.9			
	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 7:35/4M 12:25P 290			
		V-349 11:40A 245			
		V-343 V-349 SV NORMAL			
		7:35 TIME INCHES 40 INCHES 17 PH PH			
		AT 20 MIN 7:55 (37) 38- (16) — 9.7 (9.3-10.0)			
		40 MIN 8:15 (34) 34 (14) 14½ 9.7 (9.3-10.0)			
6		1 HR 8:35 (31) + (13) 9.65 (9.3-10.0)			
		2 HR 9:35 (23) + (9) — 9.55 (9.3-10.0)			
		3 HR 10:35 (15) — (4) + 9.55 (9.3-10.0)			
		4 HR 11:35 (6) 7- (0) + 9.6 (9.3-10.0)			
		FINISH 12:25 (0) 9.2 (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 20" (392 GAL) WATER INTO V-330 & HEAT TO			
7		80-100*F			
	30	ADD DRESINATE "X" IN 7-8 MIN	350 ✓	530-A	350
	31	STIR 5 MIN & RECORD: PH 10.6 (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	160	15-A	160
302	35	ADD 30" (360 GAL) WATER TO V-302			
9	36	ADD & STIR 2 MIN FOR S-43 ASSUME 50%	180	7-D	90
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	100 ✓	128-A	100
	41	RUN IN V-385 FROM S 34 & STIR 5 MIN			
	42	RECORD: PH 4.0 (3.7-4.2)			
	43	RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5 MIN			
	44	RECORD: PH 10.5 (9.0-9.5) & IF NECESSARY ADJ TO PH 9.0-9.5. RECORD: PH 9.2 ASSUME 77%	25	27-D	19
		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			
313	46	RUN 10" (128 GAL) WATER INTO V-313			
11	47	DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48 ✓	135	20-A	135
SV	48	RUN V-313 INTO SV IN 15-20 MIN			
12	49	STIR 15 MIN & RECORD: PH 9.1 (9.0-10.0)			
	50	STOP AGITATOR (DO NOT STOP AGITATOR IN V-262)			
		START FINISH OPERATOR			
		11 oul 7:00A 7 AM 210/Pm 126-54 235-323			
		STEP V-262 (20 RPM) V-243,244,246,247			
		9 2" 4"			
		18 24" 47"			

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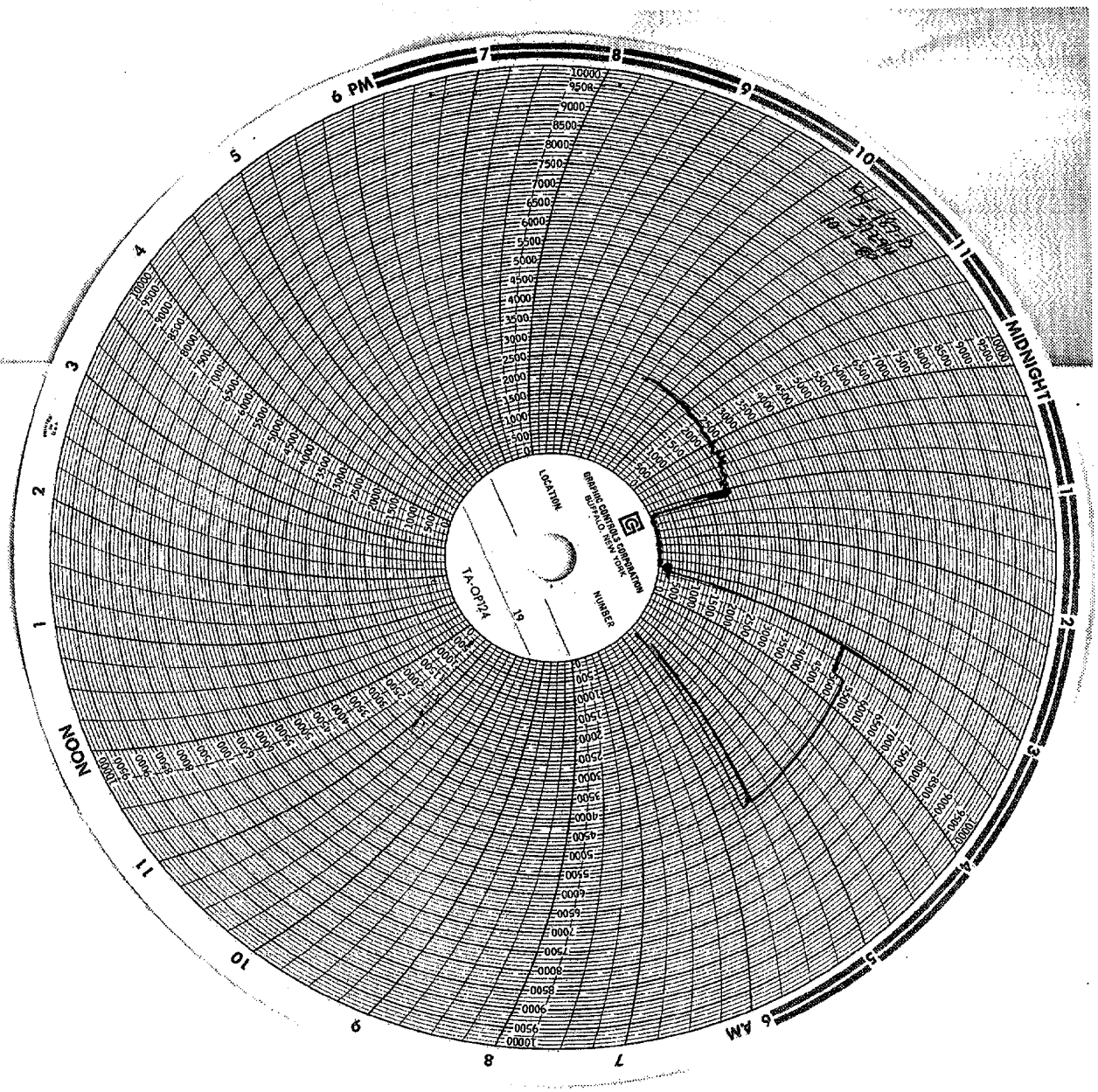

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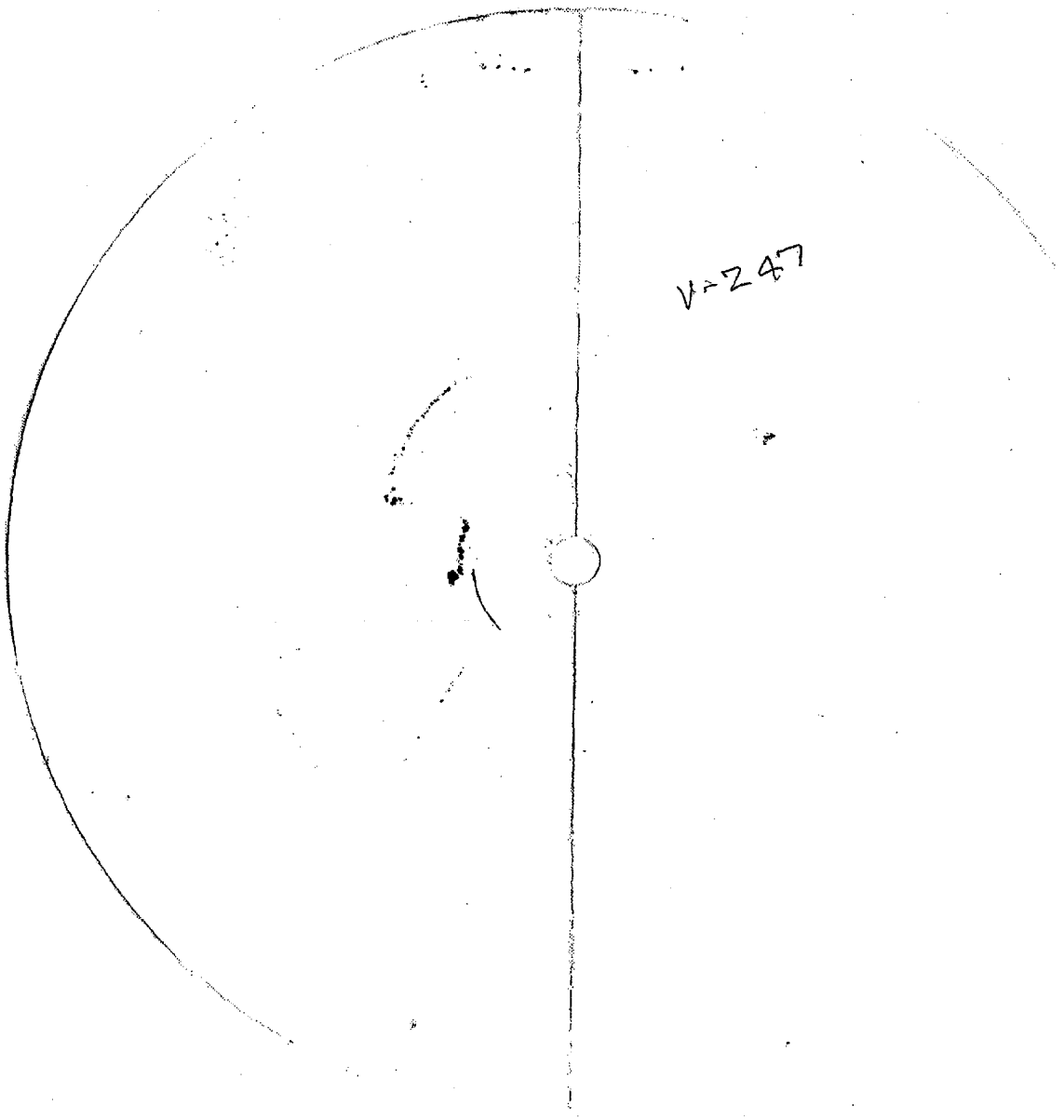

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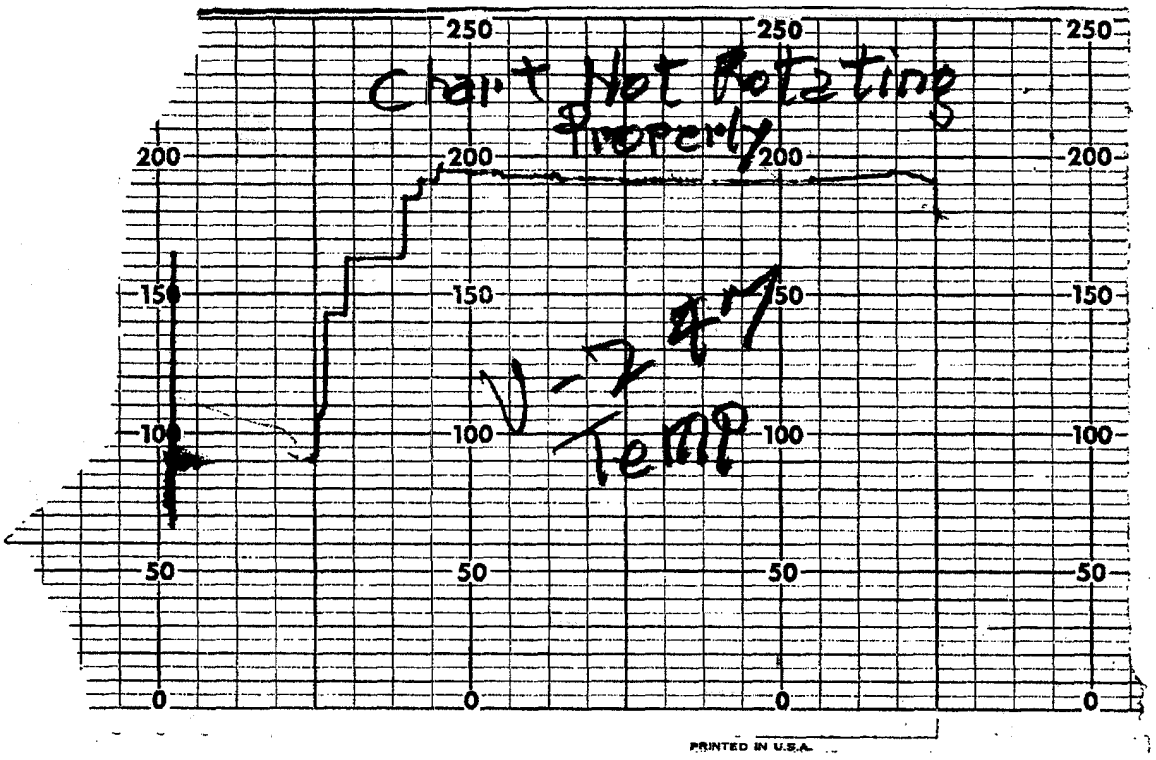
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