CG 03 CODE KY-907-D

OCT 27 80 37615

STANDARD HRS. TIME 11M

PROCESSES
( ) KY-907-D (F)
( ) ( )
( ) ( )
( ) ( )
TYPED BY: FWP 10/20/80

APPROVED BY
FWP 10/20/80

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13188	4200
14	YC002B	93		
14	YC002B	93		

CLEAN UP AS YOU GO ALONG

TOTAL EST'D WGT 6053

NON-BLEEDING

EQUIP		NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203 & 263	1	RUN 60"(990 GAL) WATER INTO V-203 & ADD CAUSTIC	40	7-D	20
		RUN AGITATOR ON HIGH SPEED			
	2	WEIGH SODIUM SILICATE INTO DRUM & POUR IN	560	32-D	560
	3	DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
		RECORD: START 1:00 PM 13188	4200		
1		FIN 3:05 PM			
	4	ADJUST TO 75" (1275 GAL)			
	5	WITH AGITATOR ON LOW SPEED PUMP V-203 THRU			
	6	HOMOG AT 2400-2600 PSI INTO V-263			
	6a	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN			
		HOT WATER AT 2400-2600 PSI INTO V-203			
	7	RECORD: V-263 VOL. 22" & ADJUST TO 60"(2100 GAL)			
	8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
263 & SV	9	RUN 2"(200 GAL) WATER INTO V-262 START			
		AGITATOR & INSTALL TEMP CHART			
	10	PUMP V-263 THRU HOMOG AT 4800-5200 PSI INTO SV.			
		RECORD: TIME START 4:30PM TOTAL MINUTES 360			
2		NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI,			
		3-WAY VALVE WILL RECIRCULATE SLURRY TO V-263			
	11	WHEN V-263 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	3220	32-D	3220
	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: 1.140 G/ML (1.138-1.142)			
SV	18	WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24"(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%	14	721-D	14
	20	SIPHON N-7-D INTO SV & RECORD: PH 11.3			
		HEAT TO 190-194*F IN 55-65 MIN & REC: HT ____*F			
		& RECORD: ____*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			
	22	METER IN SULFURIC ACID FROM V-384			
		MK 64, 8.36#/GAL 53.6 GAL		27-D	481
	23	STIR 15 MIN OR LONGER			
5	24	RECORD: DENSITY 1.031 G/ML (1.030-1.033)			

Because screen kept picking up,

N35042

EQUIP			USE LBS	N- CODE	USE LBS
	25	WHEN S 20 HEATING COMPLETE, RECORD: PH 10.0			
	26	SET V-343 ACID PUMP AT 57 SETTING (225 MIN)			
	27	SET V-349 SILICATE PUMP AT 48 SETTING (180 MIN)			
	28	IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV			
SV		AT 190-194*F DURING STRIKE			
	29	RECORD: START FINISH MINUTES			
		V-343 2:15AM 2:AM 225			
		V-349 2:15AM 6:15AM 180			
		V-343 V-349 SV NORMAL			
		TIME INCHES INCHES PH PH			
		AT 20 MIN 3:05AM (36) 36 (15) 15 9.9 (9.3-10.0)			
		40 MIN 3:25AM (33) 33 (13) 13 9.7 (9.3-10.0)			
6		1 HR 4:15AM (29) 29 (11) 11 9.9 (9.3-10.0)			
		2 HR 5:15AM (19) 19 (6) 6 9.8 (9.3-10.0)			
		3 HR 6:15AM (8) 9 (0) 0 9.8 (9.3-10.0)			
		FINISH 7:AM (0) 0 (0) 0 7.6 (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%			
	30	SIFT IN	50	27-D 128-A	50
385	31	RUN 40" (300 G) WATER INTO V-385 & HEAT TO			
7		135-140*F			
	32	DUMP IN & STIR TO DISSOLVE FOR S-60	280	15-A	280
302	33	ADD 17" (208 G) WATER TO V-302			
8	34	ADD & STIR FOR 2 MIN FOR S 62 ASSUME 50%	100	7-D	50
	35	DURING STRIKE PUMP INTO PT	558	169-A	558
PT	36	PUMP IN	62	155-A	62
9	37	PUMP IN	62	160-A	62
	38	STIR 10 MIN WITH LIGHTENING MIXER FOR S 42			
	39	DURING STRIKE RUN 18" (317 G) WATER INTO V-356			
	40	TURN ON STEAM			
356	41	ADJ TO 23" (403 G) AT 81-82*C			
10	42	PUMP PT MIXTURE FROM S 38 THRU UNDERSURFACE DISTRIBUTORS AS FAST AS POSSIBLE			
	43	RINSE PT WITH HOT WATER FROM HOT WATER MIXER & PUMP IN			
	44	SHUT OFF PUMP			
	45	STIR 30 MIN AT 81-82*C FOR S 54			
	46	DO NOT SHUT OFF AGITATOR			

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EQUIP		PAGE 3 CG 03 KY-907-D EST WGT 6053#	USE LBS	N-CODE	USE LBS
SV	47	WHEN V-349 MT, RINSE IN WITH MINIMUM WATER & SET PUMP AT ZERO SETTING			
11	48	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER & TURN OFF PUMP MOTOR			
	49	HEAT TO 198-200*F IN 5-10 MIN			
	50	CLOSE WATER LINE & DISCHARGE VALVES AT STEARATE PUMP			
	51	OPEN V-356 DISCHARGE VALVES TO STEARATE PUMP INLET			
	52	OPEN WATER VALVE AT STEARATE PUMP & RUN WATER THRU HOMOG AT 2900-3100 PSI TO SEWER			
	53	WHILE HOMOG WATER, OPEN HOMOG DISCHARGE VALVE TO SV & CLOSE VALVE TO SEWER			
	54	IMMEDIATELY OPEN STEARATE PUMP DISCHARGE VALVE, TURN ON PUMP & HOMOG V-356 TO SV AT 2900-3100 PSI. MAINTAIN SV AT 198-200*F.			
	55	WHILE HOMOG V-356 TO SV, SHUT OFF WATER VALVE AT STEARATE PUMP ASAP			
	56	WHEN HOMOG COMPLETE, RINSE IN V-356 WITH HOT WATER FROM HOT WATER MIXER			
	57	TURN OFF HOMOG & STEARATE PUMP			
	58	STIR 5 MIN AT 198-200*F			
	59	SHUT OFF STEAM			
	60	RUN IN V-385 FROM S-32 & STIR 5 MIN RECORD: PH 3.2 (3.3-3.7)			
	61	IF NECESSARY, ADJ PH TO 3.3-3.7 (DOWNWARD ONLY) & RECORD: PH____.			
	62	RUN IN N-7-D FROM S-34 IN 4-6 MIN & STIR 5 MIN			
	63	RECORD: PH 4.4 (4.2-4.4) & IF NECESSARY, ADJ TO PH 4.2-4.4 & RECORD: PH____. ASSUME 78%	_____	27-D	_____
		(DILUTE 10 PARTS TO 1 WITH WATER) ASSUME 50%	_____	7-D	_____
		SIPHON N-7-D INTO SV			
	64	DO NOT STOP AGITATOR			

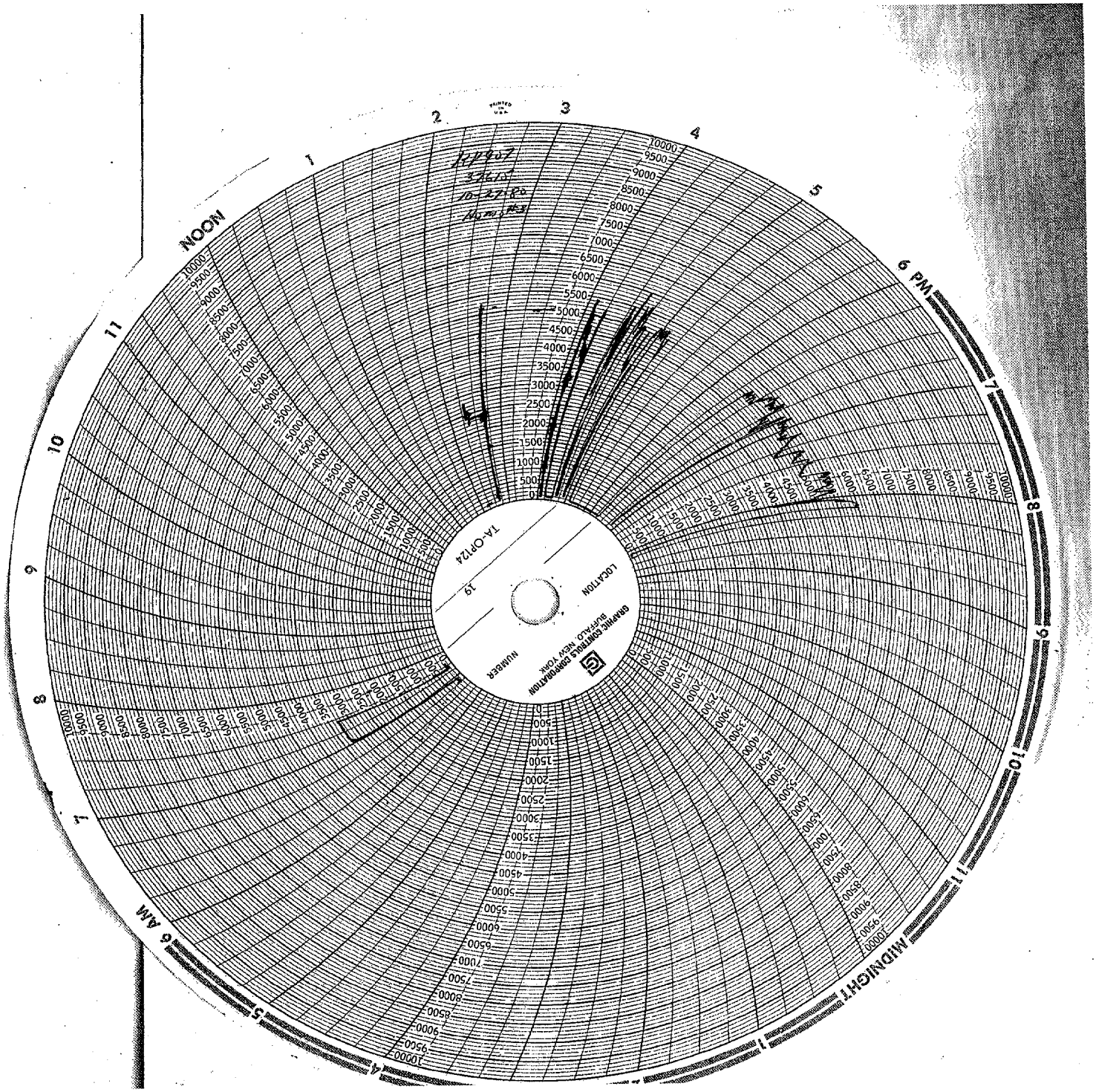
START	FINISH	OPERATOR
700A	300P	259
3:00PM	11:00PM	37-244
11:PM	7:AM	225-252

STEP	V-262 (20 RPM)	V-243,244,246,247
9	2"	4"
18	24"	47"

700A 9:15A 259-126

DUP050106323

6 PM
4 PM
2 PM
12 N
250
200
150
100
50
0



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