MAKING INSTRUCTIONS: BATCH UNIT

C.V. 105, ~~106~~ 106 D.V. 300, 315, 317, 322, 323

PROCESSES		APPROVED BY
( ) YT-808-D	(D)	EWK 9/27/77
( ) YT-810-D	(C)	BBK 10/14/77
( )	( )	DCG 10/17/77
( )	( )	MTW 10/18/77
TYPED BY JTC 10/26/77		

CG 46 CODE YT-808-D PKG.

JAN 12

JAN 33706

ST. WGT. 2573 LBS.

TD. HRS. TIME P M

Clean East Press Done

NON-BLEEDING

SHIPMENT		NAME: DALAMAR® YELLOW	USE LBS.	N CODE	ACCT. LBS.
Prep 1	1	Obtain for S 6 Do NOT USE LOT 2		157-C	
	2	Obtain for S 22		46-C	
	3	Clean, dress, close 24" clarif press - 15 frames			
DV 2	4	Run 10" (323 G) water into V- 300			
	5	Weigh in from V-324 M 1 , 3176 %	1659	28-D	527
	6	Dump & rinse in drums from S 1		157-C	1720
		LOT # 100% %			
		171 117 54.2	215		
		171 121 56.4	215		
		171 123 57.4	215		
		171 126 58.6	215		
		171 123 57.4	215		
		168 122 74.0	165		
		168 124 75.4	165		
		168 121 73.6	165		
		165 137 53.8	255		
		170 6 70.0	9		
	7	Stir 10 min or longer to wet			
	8	Adj to 43" (1470 G) at 28-32°F	10 x 330	57-A	3301
	9	Siphon in in 12-15 min M 1 , 3352 %	1253	725-A	420
	10	Stir 30 min at 28-32°F maintaining + CR, + KI for S 12			
		Record: Time Start 2PM, CR + (+), KI + (+)			
		Note:			
		(1) If CR -, KI -, add 20# "as is" increments Assume 32%		28-D	
		Record: CR (+), KI (+)			
		(2) If CR +, KI -, add 20# "as is" increments Assume 33%			
		Record: CR (+), KI (+)			
Misc 3	11	Slurry in 40 gal water in drum & precoat clarif press with	5	777-A	5
DV 4	12	When S 10 stir complete, dump in	15	113-A	15
	13	Dump in	10	777-A	10
	14	Stir 30 min at 28-32oF maintaining + CR, + KI for S 20		57-A	
		Record: Time Start 230 , CR + (+), KI + (+)			
		Note:			
		(1) If CR -, KI -, add 20# "as is" increments Assume 32%		28-A	
		Record: CR (+), KI (+)			
		(2) If CR +, KI -, add 20# "as is" increments Assume 33%		725-A	
		Record: CR (+), KI (+)			

29 REV.

EQUIPMENT		PAGE 2 CG 46 CODE Yt-808-D Alt EST WGT. 2573 LBS.	USE LBS.	N CODE	ACCT. LBS.
CV 5	15	Run 10" (970 G) water into V-105 & install temp chart	530	721	
	16	Pour in M 2 . 4996 %		7-D	336
	17	Adj to 40" (3904 G) at 66-70°F	3 x 330	57-A	990
	18	Close stack damper			
	19	Stir for S 22			
DV 6	20	When 14 stir complete, test DV & Record: CR 1 (+), KI 1 (+), Temp: 32 (28-32°F)		57-A	
		Note:			
		(1) If CR-, KI-, add 20# "as is" increments Assume 32% Record: CR (+), KI (+)		28-A	
		(2) If CR+, KI-, add 20# "as is" increments Assume 33% Record: CR (+), KI (+)		725-A	
	21	Pump DV thru clarif press into V-323 maintaining temp at 28-32°F Record: Time Start 3:15 PM Total Min 150	2 x 330	57-A	660
CV 7	22	Dump into CV from S 2 LOT # 100% %		46-C	1855
		Note: Break up lumps LOWZA 400 100	400		
		91940 400 92.6	432		
		92380 200 92.0	218		
		91928 200 95.8	209		
	23	Stir 10 min to dissolve 92180 200 95.4	214		
	24	Open stack damper 91920 55 95.8	57		
	25	Run in undersurface in 20.25 min M 1 . 7284 %	1124	30-D	820
	26	Stir 5 min & Record: pH 5.8 (5.8-6.3)			
	27	If necessary, adj to pH 5.8-6.3 & Assume 50% Record: pH (5.8-6.3) Assume 77%		7-D 30-D	
DV 8	28	When S 21 clarif complete, wash DV (S 4) lines, pump & press for 20 min or to a -CR test on a sample of total press effluent whichever comes first. Collect washings in DV (S 21) Record: Time Start 5:40 PM CR, - (- or +)			
	29	Stir 5 min & Record: Temp 30 (28-32°F) & if necessary, adj to 28-32°F. Record: 30 °F		57-A	990
	30	Wetter in rubber bucket & wash into DV	20	395-D	20
	31	Stir 5 min & Record: KI 1 (-)			
	32	If necessary, adj to -KI & Record: KI (-)	10	395-D	10
	33	Record: DV 61 "			
Misc 9	34	Weigh in drums for S 41 M 2 . 4996 %	672	7-D	340
	35	Dissolve in 20 gal water in drum for S 43	70	979-A	670
CV 10	36	When S 33 complete, adj CV to 48" (4685 G) at 80-84°F)			
	37	Check accuracy: HT 82 °F & Recorder 82 °F			
	38	Immediately run in DV thru undersurface distributor in 60-65 min. Maintain CV at 80-84°F Record: Time Start 6:30 PM Total Min 65			
	39	When S 38 complete, stir 10 min			

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UIPMENT		PAGE 3 CG 46 CODE YT-808-D (D) EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACCT. LBS.
CV 80 ont'd)	40	RECORD: Diazo — (-), Base + (+) pH 4.7 (4.3-4.7)			
		NOTE:			
		(1) If Diazo +, Base -, and pH below 4.3:			
		(a) adj to pH 4.3-4.7 Assume 50%		7-D	
		(b) record: pH			
		(2) If Diazo +, Base -, and pH 4.3 or above:			
		(a) add 8# 100% N-7-D to a 55 G drum		7-D	
		(b) adj with water to ± 25 G			
		(c) add 20# 100% N-46-C		46-C	
		(d) stir to dissolve			
		(e) pour into CV			
		(f) stir 10 min			
		(3) Repeat (1) & (2) above as necessary to - Diazo, + Base			
	41	Pour in N-7-D from S 34 & stir 5 min			
	42	RECORD: pH 5.4 (8.0-8.5) & if necessary Assume 50%	120	7-D	60
		Adj to pH 8.0-8.5. RECORD: pH 8.4 Assume 32%		28-D	
	43	Dump in N-979-A from S 35			
	44	Heat to 200-204°F in 58-62 min			
	45	Stir 30 min at 200-204°F RECORD: Time Start 9:55 P.M			
	46	Flood to 94" (9174 G) & stop agitator			

START	FIN	OPTR
11 Am	3 Am	283
2:00 P.M	10:30 P.M	33

Rec 157 1 PM

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30

$\frac{3500}{4000} = 73\%$

22 Frame

3 of 5

2 of 5

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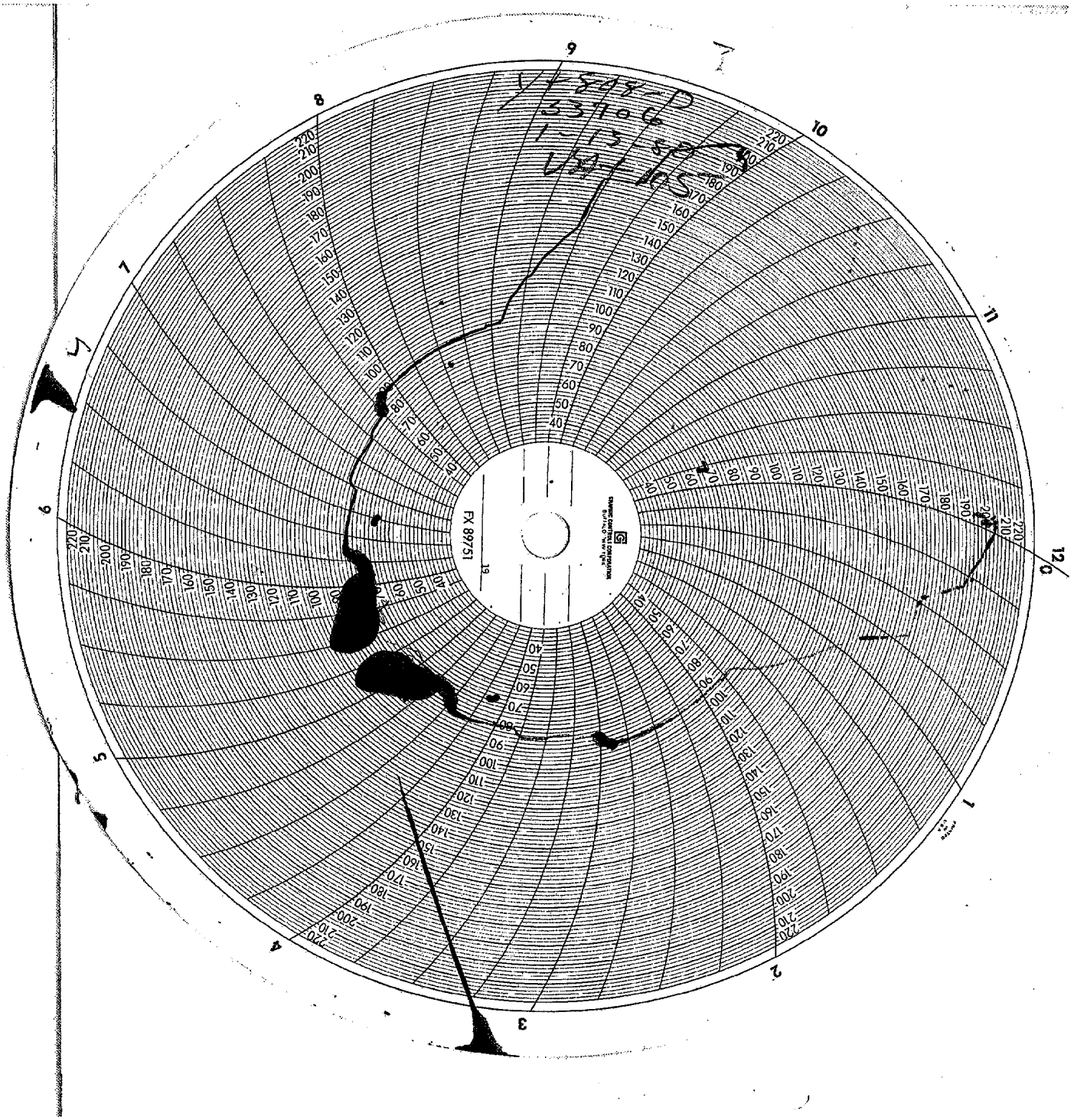
N33119.01



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