

AUG 07 1978

C.V. 105. (106)

MAKING INSTRUCTIONS: BATCH UNIT
D.V. 300, 315, 317, 322, 323

G 46 CODE YT-808-D PKG.

AUG-9 30742

AT. WGT. 2238 2573 LBS.

ID. MRS.

TIME

3P

M

AUG 18 1978

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

PUMPED & CHECKED

AUG 20 1978

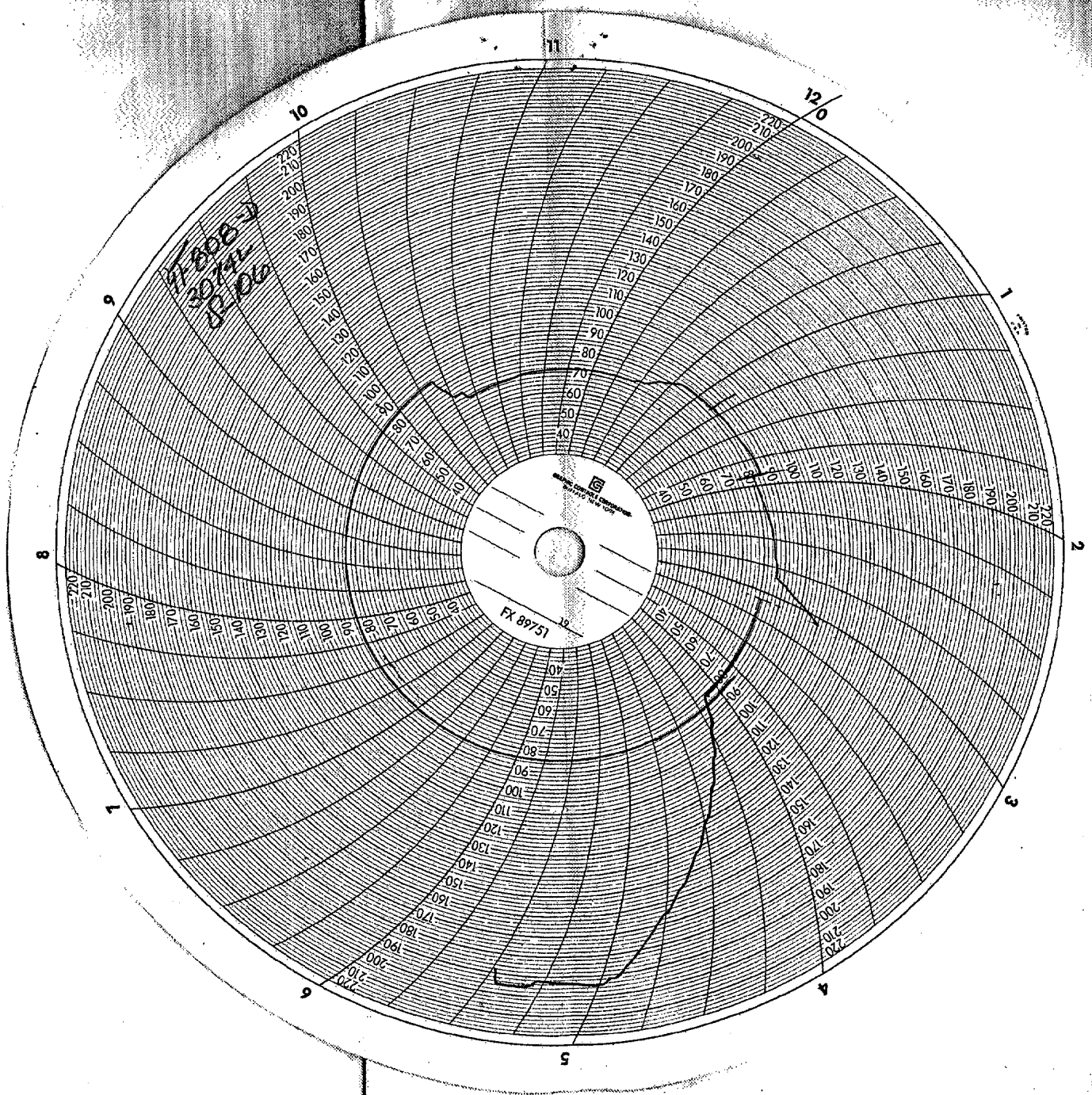
EA ST-PRESS

NON-BLEEDING

ENT	NAME:	USE	N	ACCT.
		LBS.	CODE	LBS.
1	Obtain for S 6		157-C	
2	Obtain for S 22		46-C	
3	Clean, dress, close 24" clarif press - 15 frames			
4	Run 10" (323 G) water into V-322			527
5	Weigh in from V-324 M 3 32.27% 1635		28-D	352
6	Dump & rinse in drums from ST		157-C	374
	LOT # 100% %			1120
	73 148 67.4	220		
	73 136 62.0	220		
	73 133 60.6	220		
	73 131 59.4	220		
	71 134 53.6	220		
	78 136 54.4	250		
	78 118 47.0	250		
	78 121 42.2	250		
	78 63 49.0	129		
7	Stir 10 min or longer to wet			
8	Adj to 33" (1155 G) at 28-32°F	17.330	57-A	5610
9	Siphon in in 12-15 min M 11 34.08% 1188		725-A	405
10	Stir 30 min at 28-32°F maintaining + CR, + KI for S 12			
	RECORD: Time Start 2:30 PM 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%		725-A	
	RECORD: CR (+), KI (+)			
SC 11	Slurry in 40 Gal water in drum & precoat clarif press with	5	777-A	5
12	When S 10 stir complete, dump in	15	113-A	15
13	Dump in	10	777-A	10
14	Stir 30 min at 28-32°F maintaining + CR, + KI for S 20		57-A	
	RECORD: Time Start 3:10 PM 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%		725-A	
	RECORD: CR (+), KI (+)			

EQUIPMENT	PAGE 2 CG 46 CODE YT-808-D (D)	EST. WGT. 2238	LBS.	USE LBS.	N CODE
CV 5	15 Run 10" (970 G) water into V-106 & install temp chart				
	16 Pour in	M 8	48.53%	1098	7-D 536
	17 Adj to 40" (3904 G) at 66-70°F			8 x 330	57-A 2640
	18 Close stack damper				
	19 Stir for S 22				
DV 6	20 When S 14 stir complete, test DV & record				
	CR + (+), KI + (+) Temp: 30 (28-32°F)				57-A
	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%				725-A
	RECORD: CR (+), KI (+)				
	21 Pump DV thru clarif press into V-315 maintaining temp at 28-32°F			8 x 330	57-A
	RECORD: Time Start 5:00 AM Total Min 245				
CV 7	22 Dump into CV from S 2	LOT #100%			46-C 1454
	NOTE: BREAK UP LUMPS	90280 600 93.8		640	
		90450 854 93.8		910	
	23 Stir 10 min to dissolve				
	24 Open stack damper				
	25 Run in undersurface in 20-25 min	M 7	77.94%	1052	30-D 820
	26 Stir 5 min & Record: pH 5.4 (5.8-6.3)				
	27 If necessary, adj to pH 5.8-6.3 and				
	RECORD: pH 6.2 (5.8-6.3)				7-D
				20	30-D 15
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 to total press effluent, whichever comes first. Collect washings in DV (S 2)				
	RECORD: Time Start 8:50 AM CR - (- or +)				
	29 Stir 5 min & Record: Temp 40 (28-32°F) & if necessary, adj to 28-32°F. RECORD: 28 °F			11 x 330	57-A 3630
	30 Weigh in rubber bucket & wash into DV			10	395-D
	31 Stir 5 min & RECORD: KI (+)				
	32 If necessary, adj to KI & RECORD: KI				395-D
	33 RECORD: DV 63				
MISC 9	34 Weigh in drums for S 41	M 8	48.53%	1098	7-D 540
	35 Dissolve in 20 gal water in drum for S 43			72	979-A 72
CV 10	36 When S 33 complete, adj CV to 48" (4685 G) at 80-84°F				
	37 Check accuracy: HT 82 °F & Recorder 81 °F				
	38 Immediately run in DV thru undersurface distributor in 60-65 min. Maintain CV at 80-84°F				
	RECORD: Time Start 12:50 Total Min 63				
	39 When S 38 complete, stir 10 min				

INVENT	PAGE 3 CG 46 CODE YT-808-D (D) EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACCT. LBS.
CV 80 nt'd)	40 RECORD: Diazo - (-). Base + (+) pH 4.4 (4.3-4.7) NOTE: (1) If Diazo +, Base -, and pH below 4.3: (a) adj to pH 4.3-4.7 Assume 50% (b) record: pH 7-D (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 9.3 (8.0-8.5) & if necessary Assume 50% Adj to pH 8.0-8.5. RECORD: pH 8.2 Assume 32%	20	7-D 28-D	16
	43 Dump in N-979-A from S 35			
	44 Heat to 190-194°F in 58-62 min			
	45 Stir 30 min at 190-194°F RECORD: Time Start 4:50 P.M.			
	46 Flood to '94" (91/4 G) & stop agitator			
	START 11:00 AM 8:00 AM 3:00 PM	FIN 1:00 PM 3:00 PM 5:30 PM	OPTR 301 145 381	



N 31983.01

DUP050293018