

EQUIPMENT		PAGE 2 CG 04 KO-906-D (C)	USE LBS	N-CODE	USE LBS
343	21	WHILE HEATING SV RUN 46" (1265G) WTR INTO V-343			
343	22	METER IN SULFURIC ACID 60% FROM V-386		27-D	320
396		M 28 11014 ÷ / GAL 29.0 GAL			
5	23	STIR 15 MIN OR LONGER			
	24	RECORD: DENSITY 1.018 G/ML (1.018-1.020)			
	25	WHEN S 20 HEATING COMPLETE, RECORD: PH 9.8			
	26	SET V-343 ACID PUMP AT 65 SETTING (225 MIN)			
	27	SET V-349 SILICATE PUMP AT 57 SETTING (180 MIN)			
	28	IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV			
SV		AT 190-194°F DURING STRIKE			
6	29	RECORD: START FINISH MINUTES			
		V-343 9:40 1:23 225			
		V-349 12:40 180			
		TIME V-343 V-349 SV NORMAL			
		INCHES INCHES PH PH			
		AT 20 MIN 10 - (43) 45 (18) 18 9.6 (9.3-10.0)			
		40 MIN 10:20 (39) 41 (16) 16 9.6 (9.3-10.0)			
		1 HR 10:40 (35) 37 (13) 13 9.6 (9.3-10.0)			
		2 HRS 11:40 (22) 29 (7) 7 9.7 (9.3-10.0)			
		3 HRS 12:40 (10) 12 (0) 0 9.6 (9.3-10.0)			
		FINISH 12:55 (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 & RECORD: PH			
		ASSUME 77%		27-D	
30		SIFT IN (IRLANDS PORE AD)			
385	31	ADD 38" (295 G) WATER TO V-385			
7	32	ADD & STIR FOR 2 MIN FOR S 62 ID ASSUME 50%	136	7-D	68
	33	DURING STRIKE CHECK LEVEL IN V-387.			
387	34	IF LOW LEVEL LIGHT IS NOT LIT, GO TO S-37			
8	35	IF LOW LEVEL LIGHT IS LIT, VERIFY BY CHECKING THAT LOW LEVEL PEG IN VAT IS ABOVE SURFACE			
	36	IF VISUAL CHECK CONFIRMS LOW LEVEL, FOLLOW STEARATE MAKE-UP PROCEDURE.			
	37	RUN IN 27" (268 GAL). DO NOT MAKE UP THIS SOLUTION MORE THAN 30 MINUTES IN ADVANCE. DELAY BETWEEN END OF STEP 43 HEAT-UP AND START OF STEP 52 HOMOGENIZATION SHOULD BE LESS THAN 30 MINUTES.			
388	38	TURN ON STEAM & AGITATOR			
9	39	ADJUST TO 37" (366 GAL) AT 178-182°F			
	40	SET BADGER METER FOR 5724			
	41	PUMP IN FROM V-387 THRU UNDERSRFE DISTRIBUTORS AS FAST AS POSSIBLE (ISOBUTYL STEARATE, BUTYL STEARATE, EMCOL P-10-59)	468 52 52	169-A 155-A 160-A	468 52 52
	42	SHUT OFF PUMP			
	43	STIR 30 MIN AT 178-182°F FOR S 52			
	44	DO NOT SHUT OFF AGITATOR			
SV	45	WHEN V-349 MT, RINSE IN WITH MINIMUM WATER &			
10		SET PUMP AT ZERO SETTING.			
	46	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &			
		TURN OFF PUMP MOTOR.			

EQUIP MENT	PAGE 3 CG 04 KO-906-D (C)	USE LBS	N- CODE	USE LBS
47	HEAT TO 198-200°F IN 5-10 MIN			
SV 48	CLOSE WATER LINE & DISCHARGE VALVES AT STEARATE PUMP			
10 49	OPEN V-388 DISCHARGE VALVES TO STEARATE PUMP INLET			
50	OPEN WATER VALVE AT STEARATE PUMP & RUN WATER THRU HOMOG AT 2900-3100 PSI TO SEWER			
51	WHILE HOMOG WATER, OPEN HOMOG DISCHARGE VALVE TO SV & CLOSE VALVE TO SEWER			
52	IMMEDIATELY OPEN STEARATE PUMP DISCHARGE VALVE, TURN ON PUMP & HOMOG V-388 TO SV AT 2900-3100 PSI. MAINTAIN SV AT 198-200°F.			
53	WHILE HOMOG V-388 TO SV, SHUT OFF WATER VALVE AT STEARATE PUMP ASAP			
54	WHEN HOMOG COMPLETE, RINSE IN V-388 WITH HOT WATER FROM HOT WATER MIXER			
55	TURN OFF HOMOG & STEARATE PUMP			
56	STIR 5 MIN AT 198-200°F			
57	SHUT OFF STEAM			
58	RUN IN LIQUID ALUM USING BADGER METER	540	115-D	270
59	FLUSH ALUM LINE WITH WATER			
60	RECORD: PH <u>3.6</u> (3.3-3.7)			
61	IF NECESSARY, ADJ PH TO 3.3-3.7 (DOWNWARD ONLY) & RECORD: PH _____			
	NOTE: USE LIQUID ALUM, N-115-D. ADD TO SV VIA BADGER METER. STIR 5 MIN AFTER EACH ADDITION.			
62	RUN IN N-7-D FROM S32 IN 4-6 MIN & STIR 5 MIN		115-D	
63	RECORD: PH <u>4.2</u> (4.0-4.2) & IF NECESSARY, ADJ TO PH 4.0-4.2 & RECORD: PH _____ ASSUME 78% (DILUTE 10 PARTS TO 1 WITH WATER) ASSUME 50%		27-D	
	SIPHON N-7-D INTO SV		7-D	
64	DO NOT STOP AGITATOR			

START

11:00 PM

6:30 P.M.

11:00 PM

FINISH

7:00 AM

11 P.M.

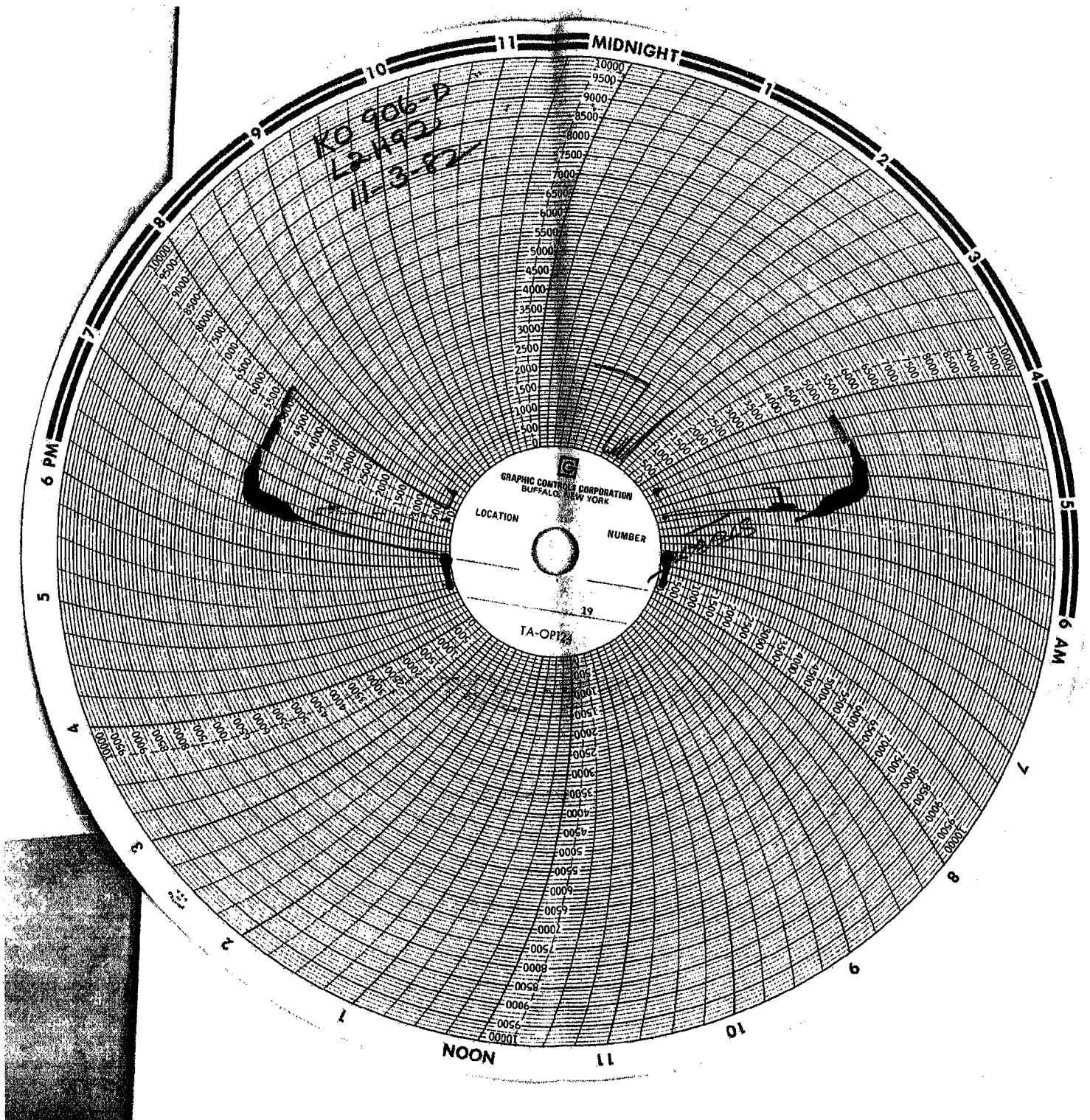
3:30 AM

OPER

409

54-150

409



V-246

