S.V. C.V. 901, 903 D.V. 902, 904

CG 32 CODE RT-841-D PKG.

→ DEC 15 80 38265

EST. WGT. 3021 LBS.

STD. HRS. TIME M

DEC 17 1980

| PROCESSES | | APPROVED BY |
|---|---|---|
| ( ) RT-841-D | (E) | JJG 08-14-78 |
| ( ) | ( ) | AMJ 01-20-79 |
| ( ) | ( ) | |
| ( ) | ( ) | PLR |
| TYPED BY | | JJG 01-26-79 |
| emw012279 | | Ewk 01-26-79 |

NON-BLEEDING

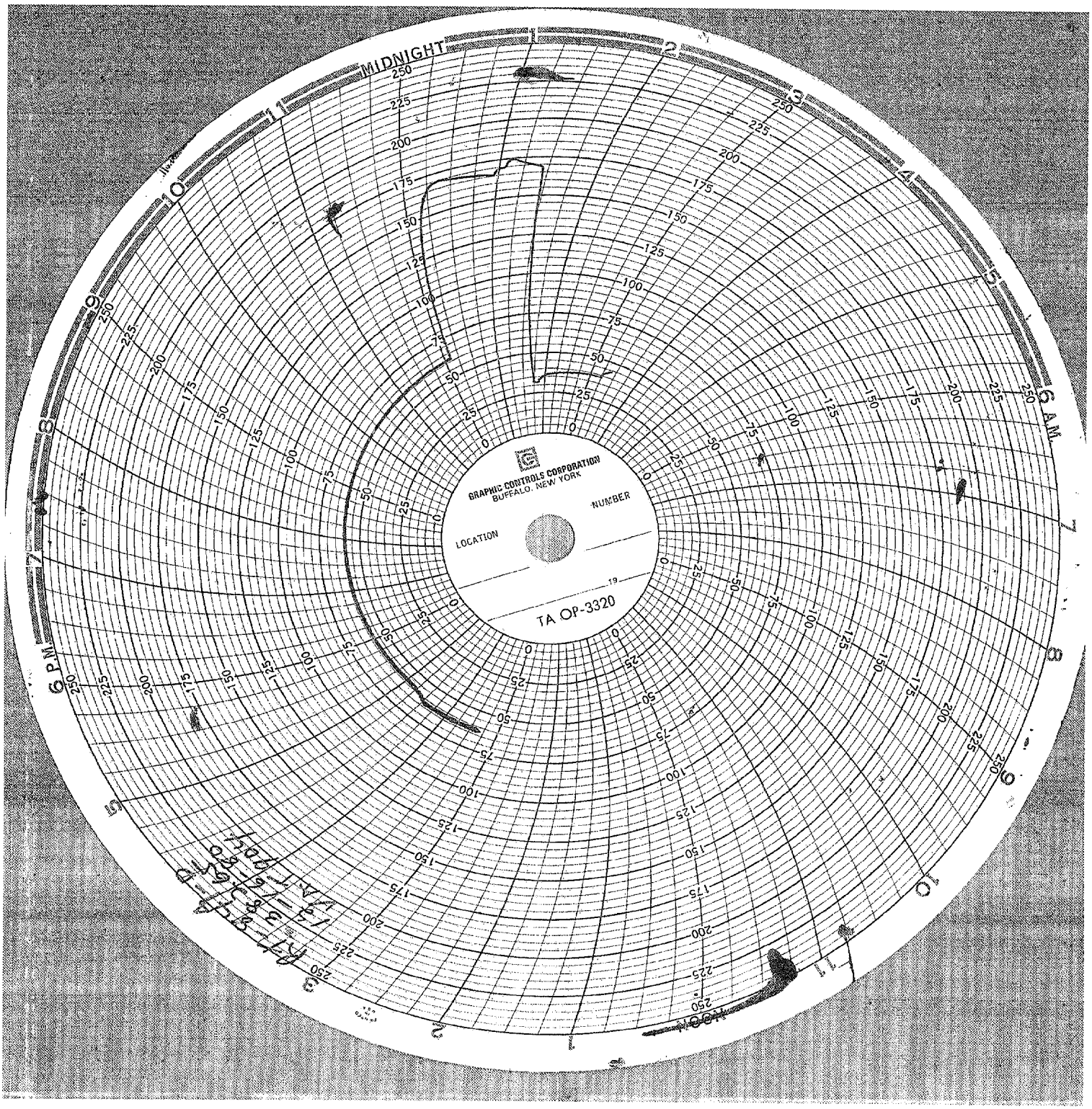
| UIPMENT | | NAME: "WATCHUNG" RED Y | USE LBS. | N CODE | ACCT. LBS. |
|---|---|---|---|---|---|
| Prep 1 | 1 | Record: 2 batches since Sparkler last cleaned. After 5 batches clean, dress Sparkler & pre coat with 15#Filter Aid | | 777-A | |
| | 2 | Obtain for S 13 2 chlor 4 amino Toluene 5 Sulfonic Acid | | 740-C | |
| | 3 | Obtain for S 26 Beta Oxy Naphthoic Acid | | 253-C | |
| | 4 | Install DV & CV Record & Controller charts | | | |
| Misc 2 | 5 | Run 25" (904G) water into V-902 & turn on agitator | | | |
| | 6 | Weigh in drum & pour in acetic acid M 12 , 80.31 % | 55 | 30-D | 68 |
| | 7 | Heat V 902 to 70-74°F | | | |
| | 8 | Weigh & add to V 902 Duomeen T | 148 | 957-D | 148 |
| | 9 | Adjust V 902 to 104-106°F & Record: Temp 106°F | | | |
| | 10 | Stir 90 min. or longer to dissolve for S 43 Record: Start 4:30 P.M. | | | |
| 922 3 | 11 | Run 32" (722 G) water into V-922 | | | |
| | 12 | Weigh in V-926 & run in Caustic Soda Sol M 14 , 49.19% | 418 | 7D | 203 |
| | 13 | Turn on agitator & steam & dump in from S 2 | | 740-C | 1045 |
| | | 2 chloro 4 amino Toluene 5 sulfonic acid Lot 100% | | | |
| | | Use Lot 114 321 98.65 | 325 | | |
| | | EC 113 321 98.78 | 325 | | |
| | | 118 403 98.87 | 408 | | |
| | 14 | Dump in activated carbon | 25 | 113-B | 25 |
| | 15 | Dump in Filter Aid | 10 | 777-A | 10 |
| | 16 | Heat to 212-214°F Watch foam. | | | |
| | 17 | Record: By + must be + Caustic Soda Sol. Assume 50% | | 7-D | |
| | 18 | Stir 30 min at 212-214°F, then shut off steam Watch foam | | | |
| | 19 | Circulate 15 min or longer thru Sparkler until sol'n is clear. Maintain at 190-195°F for S 21 & Record: HT 198 °F & Record: 191 °F Record: Start 1130 P Total Min 45 Clarity | | | |
| 904 4 | 20 | Run 1" (50 G) water into V-904 | | | |
| | 21 | When S 22 complete, pump in V-922 thru Sparkler & maintain V-922 at 190-195°F. Record: Start 1210 A Tot Min 20 | | | 335 |
| Misc 5 | 22 | Weigh in drums for S 37 sodium nitrite M 13 , 33.47% | 1001 | 725-A | 368 |
| | 23 | Measure 87½ units in V-928 for S 35 muriatic acid M 12 , 30.56% | 1385 | 28-D | 368 423 |

13870 REV

| EQUIPMENT | | PAGE 2 CG ____ CODE RT-841-D(F) EST. WGT. ____ LBS. | USE LBS. | N CODE | ACCT LBS. |
|---|---|---|---|---|---|
| CV 6 | 24 | Run 31" (2939 G) water into V- 901 | | | 600 |
| | 25 | Weigh in V-926 & run in caustic soda sol. M 14 49.19% | 1220 | 7-D | 480 |
| | 26 | Dump in from S 3 Beta Oxy Naphthoic Acid LOT 504 | 921 | 253-C | 921 |
| | 27 | Adj to 70-90°F & stir 5 min or longer to dissolve | | | |
| | 28 | Adj to 54" (5119 G) at 58-62°F (ice) | ~~8 X 330~~ 165 | 57-A | 0 165 |
| | 29 | Stir to uniformity & pour in (oleic acid) distoline | | 641-A | |
| 922 7 | 30 | When S 2 complete, shut off pump & insert V-922 foot plug | | | |
| | 31 | ~~Run in 15" (309 G) water & heat to 180-190°F~~ See attached sheet | | | |
| 904 8 | 32 | ~~Pump V-922 thru Sparkler into V-904~~ See attached sheet | | | |
| | 33 | When MT ylow out Sparkler into V-904 | | | |
| | 34 | Heat to 165-170°F | | | |
| | 35 | Run in N-28-D from S 23 in 12-15 min & stir 5 min | | | |
| | 36 | Adj to 110" (2193 G) at 32-35°F (ice) 38 ~~28~~ X 330 | | 57-A | 12540 |
| | 37 | Run in N-725-A AFAP (5-10 min) | | | |
| | 38 | Stir 20 min at 35-38°F maintaining +CR, +KI for S 40<br>Record: Time Start 2004 CR + (+), KI + (+) Temp 35 °F | | | |
| | | NOTE: | | | |
| | | (1) If CR-, KI-, add 20# "as is" increments muriatic acid | | | |
| | | Assume 32% | | 28-D | |
| | | Record: CR (+), KI (+) | | | |
| | | (2) If CR+, KI-, add 20# "as is" increments sodium nitrite | | | |
| | | Assume 33% | | 725-A | |
| | | Record: CR (+), KI (+) | | | |
| CV 9 | 39 | Dump into CV (ammonium chloride) | 256 ~~205~~ | 165-A | 256 ~~205~~ |
| | 40 | Immediately couple V-904 thru undersurface distributor into CV in 65-70 min. Maintain CV at 58-62°F (Use 1½" orifice to couple) | | | |
| very important to Couple Slowly Check Rate | 41 | Record: Start 220A Total Min 65 Temp. 62 °F on discharge of pump.<br>Stir 30 min & Record: Base + (+), Diazo — (-) & Remove Orifice<br>pH 9.6 (9.3-9.8) | | | |
| | 42 | Adj to pH 9.3-9.8 Record: pH Caustic Soda Sol Assume 50% | | 7-D | |
| | | Muriatic Acid Assume 32% | | 28-D | |
| | 43 | Run in N-957-D solutions from S 10 thru distributor in 28-32 min. | | | |
| | 44 | Stir 30 min. STARTED 4 15 A | | | |
| | 45 | Heat to 184-186°F in 70-75 Min | | | |
| | | Record: HT °F & Record: °F | | | |
| DV 10 902 | 45 | Run 23" (623 G) water into DV 902 | | | |
| | 46 | Turn on agitator & steam & dump in Barium Chloride | ~~1600~~ 1600 | 16-B | ~~1600~~ 1600 |
| | 47 | Heat to 155-160°F & stir to dissolve | | | |
| CV 11 | 48 | Pump D V at 155-160°F thru under surface distributor into CV at 184-186°F in 5-10 min & stir 15 min at 184-186°F | | | |
| | 49 | Heat to 198-202°F in 7-10 min | | | |
| | 50 | Stir 5 min at 198-202°F | | | |
| | 51 | Flood 190" (18,000 G) | | | |
| | 52 | Record: pH 9.0 (9.0-9.4) | | | |
| | 53 | Stop agitator SAMPLE - 1603 | | | |
| | | When instructed by Processing Area halfway thru pressing | | | |
| | | (1) Dump in Iso Octanol | 10 | 588-A | 10 |
| | | (2) Stir 5 min | | | |
| | | (3) Advise Processing to resume pressing | | | |
| | | TIME START 3 P.M. 1100P | TIME FINISH 11 P.M. 430A | OPTR 54 259 | |

DUP050106533

| EQUIPMENT | | PAGE ___ CG ___ CODE ___ EST. WGT. ___ LBS. | USE LBS. | N CODE | ACCT. LBS. |
|---|---|---|---|---|---|
| V922 | 31 | RUN IN 10" (206 G) WATER INTO V922 & HEAT TO 190-195°F. CIRCULATE 15 MIN OR LONGER THRU SPARKLER UNTIL SOLUTION IS CLEAR. MAINTAIN 190-195°F DURING S-31. | | | |
| V904 | 32 | PUMP V922 THRU SPARKLER INTO V-904 | | | |
| V922 | 32A | RUN 8" (165 GAL) WATER INTO V922 & HEAT TO 190-195°F CIRCULATE 15 MIN OR LONGER THRU SPARKLER UNTIL SOLUTION IS CLEAR. MAINTAIN 190-195F THRU S-32A | | | |
| V904 | 32B | PUMP V-922 THRU SPARKLER INTO V-904 | | | |
| | | CONTINUE WITH S-33 | | | |

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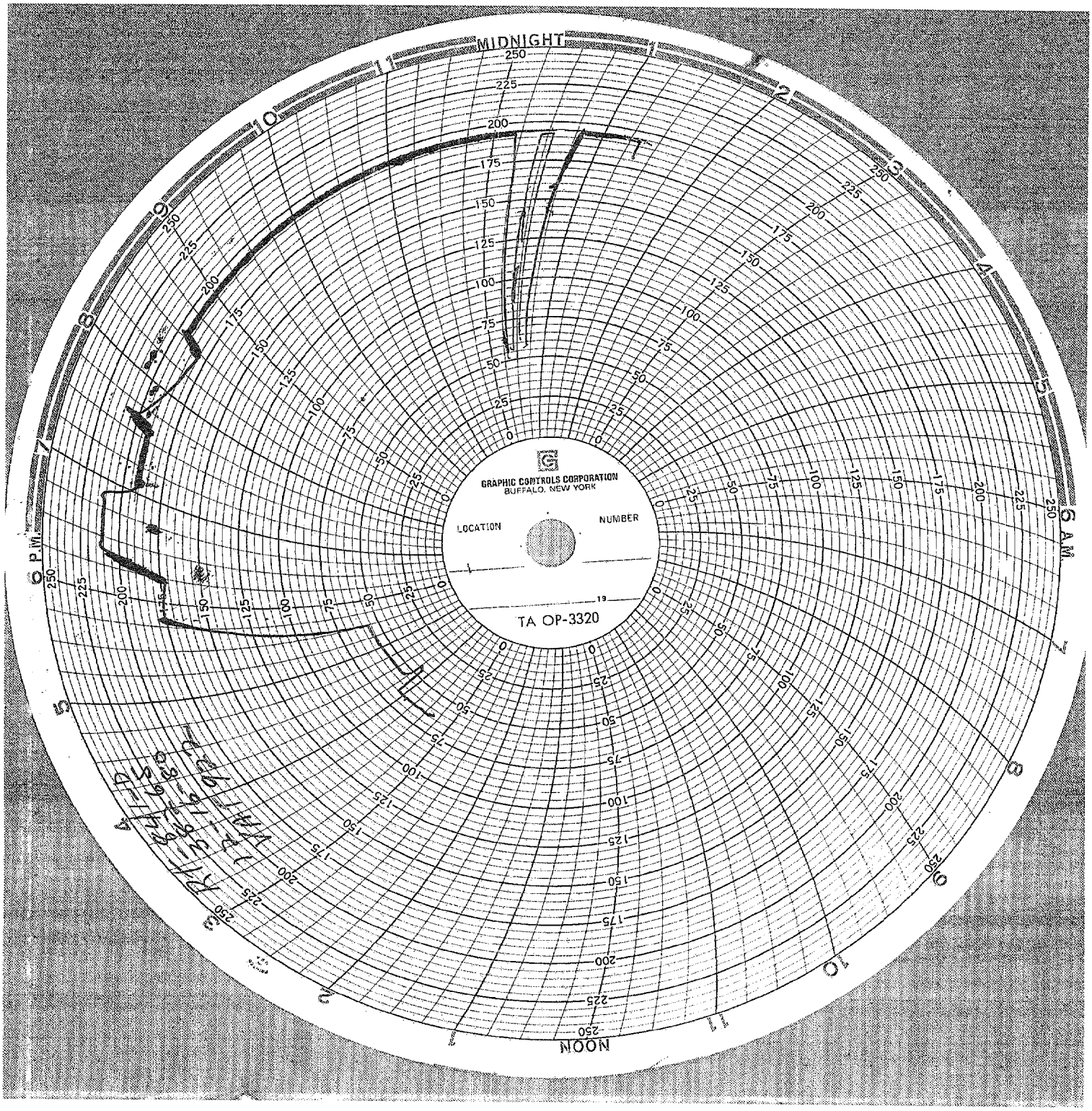


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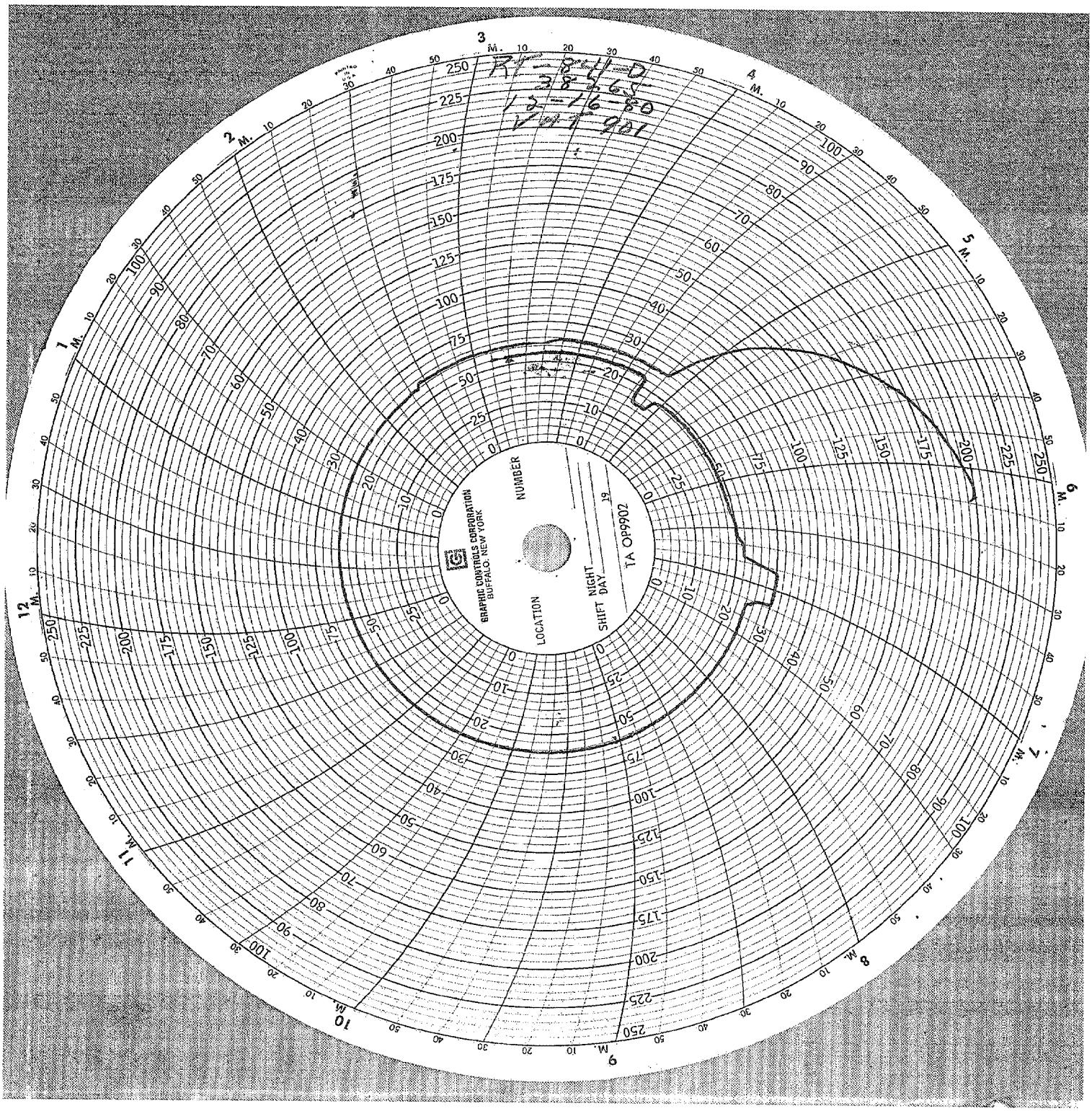


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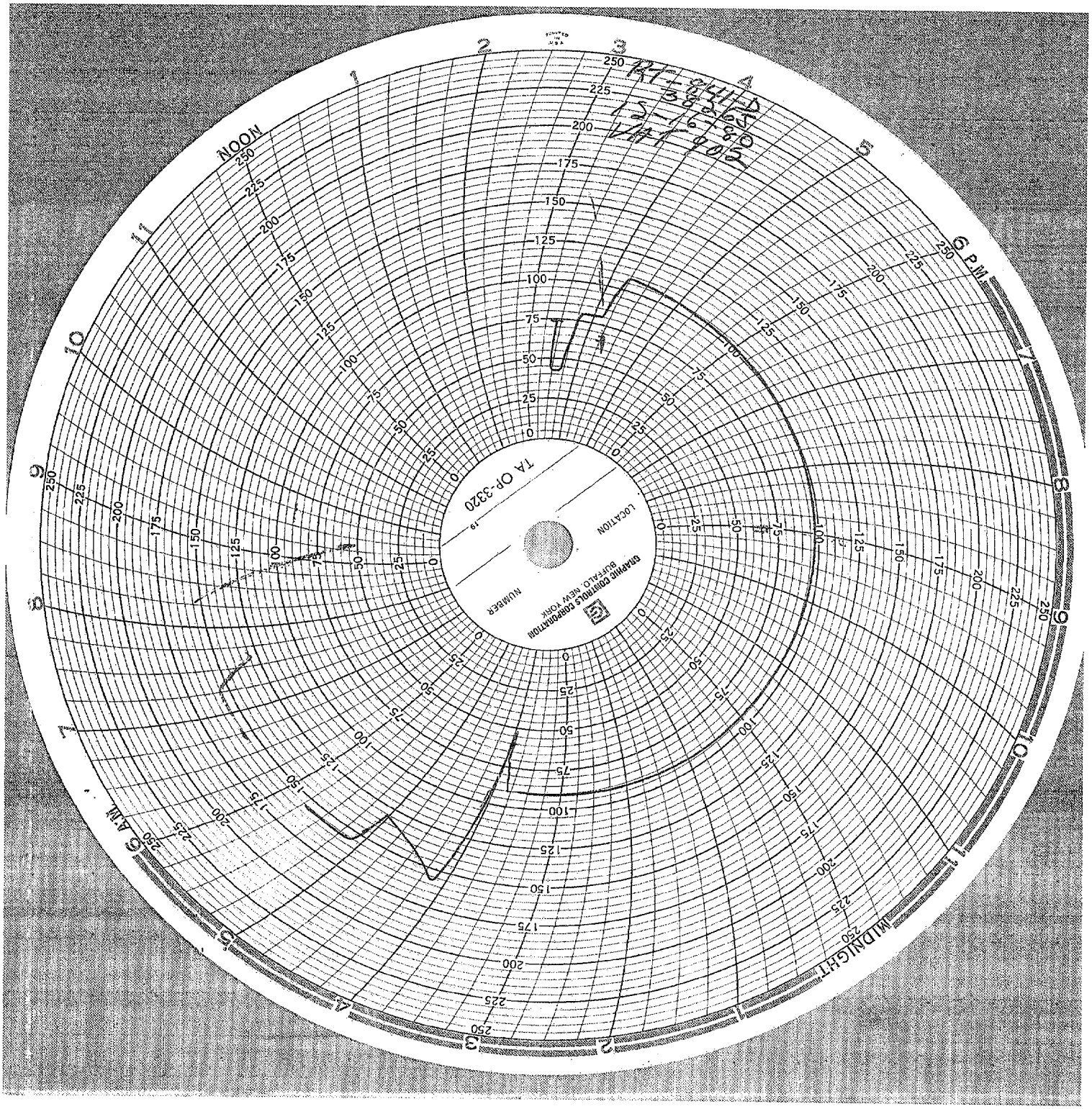


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