



# C-9 CARBON-TROLL

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## TECHNICAL INFORMATION

### RESULTS FROM FIELD TRIALS OF THE ORIGINAL C-9 CARBON-TROLL

#### Company A:

A 15 year old Cadmium Cyanide plating tank was charged with 64 gallons of The Original C-9 into a 1,200 gallon tank. This caused black "burned" chunks of a carbon substance to float in the tank. The tank and anodes were scrubbed and carbon filtered for 3 days. The result was that the tank and anodes looked "new" and the plating bath was creamy white. This charge brought the carbonate level from 11 down to 5. Infrequent "daily" charges were added on a random basis over 5 months. The carbonate level rose gradually to 7. Excellent plating results were produced.

#### Company B:

A Silver Cyanide plating solution was tested as a Silver Hull Cell panel. To plate, 3/4 amp for 5 minutes was applied with plating results of: the throwing power was stable, carbonates were reduced from 10 to below 3, and the work had a dull, smudgy look.

The current was then reduced to 1/2 amp for 5 minutes. The results were that across the board there was 6 times more throwing power in the low current density area. The brightness returned, and there was no longer a dull smudgy look to the work.

Company C :

A 200 gallon Cadmium Oxide Plating tank was charged with 12 gallons of The Original C-9 Carbon-Troll.

The results were:

Pre-charge starting carbonate level was 15.95

After charge, carbonate level dropped to 10.75

Three days later carbonate level was 10.39

The daily addition was added 3 days later. The level dropped to 6.25

After an additional 12 days, The carbonate level was 3.5

The throwing power improved 2:1, 3:1, 5:1 respectively, and increases in the plating thickness were observed.