DIRECTIONS FOR TEST NO. 14-43-41

SUBJECT: Color of Aroclor on N.P.A. Scale

METHOD: Hellige Pocket Comparator

## Scope

The method is applicable to Aroclors 4465, 5460, or others having N.P.A. colors in the range 1 to 5.

## Procedure

Warm the Aroclor is necessary to obtain pouring consistency. Fill the test cup of the Hellige Pocket Comparator, Model 605, with Aroclor, insert cup in the comparator, and compare against the color disc (No. 6200-50, Lubricating Oils and Petrolatum) which has N.P.A. colors from 1 to 5 in one-half steps. Report color to nearest 1/4. Clean the test cup with Motosolve with final rinse of benzol.

A.S.T.M. color numbers coincide with National Petroleum Association color number (1915). The relation of the N.P.A. color numbers to other color scales is tabulated below:

| NPA Color Nos. (1915) | NPA Names | Union Petroleum Co. | ASTM Color Nos. | Lovibond Analysis Red 200 | Yellow 510 | Blue 1180 |
|---|---|---|---|---|---|---|
| 1/4 | — | — | — | — | 0.6 | — |
| 1/2 | — | — | — | — | 1.1 | — |
| 3/4 | — | — | — | — | 1.7 | — |
| 1 | Lily white | G | 1 | 0.12 | 2.4 | — |
| 1-1/2 | Cream white | H | 1.5 | 0.60 | 8.0 | — |
| 2 | Extra pale | I | 2 | 2.5 | 26.0 | — |
| 2-1/2 | Extra lemon pale | J | 2.5 | 4.6 | 27.0 | — |
| 3 | Lemon pale | K | 3 | 6.9 | 32.0 | — |
| — | Extra orange | L | 3.5 | 9.4 | 35.0 | — |
| 4 | Orange pale | M | 4 | 14.0 | 50.0 | .55 |
| 4-1/2 | Pale | N | 4.5 | 21.0 | 56.0 | .55 |
| 5 | Light red | O | 5 | 35.0 | 93.0 | — |
| 6 | Dark red | P | 6 | 60.0 | 60.0 | .55 |
| Q | Claret red | Q | 7 | 60.0 | 106.0 | 1.80 |
| — | — | R | 8 | 166.0 | 164.0 | — |

ABC-p
9/25/41

DSW 330642

STLCOPCB4077286