ft Aroclor (Quiet)

cc: N. L. Davis - 1760
C. H. Downs - G4NE
R. H. Dunlop - G4NA
A. E. Leisy - 1740
C. Paton - B2SC
E. M. Potter - B2NK
W. R. Richard - T3A
G. R. Sido - G5EC

Subject: Minutes of Meeting - 11/7/72
Drums - Electrical
Grade Fluids

Present: Messrs: P. B. Benignus
R. M. McCutchan
R. D. Minteer
O. N. Mueth
R. H. Munch
J. R. Savage JRSL
R. A. Sipes

Objective

To take action on the findings of recent Aroclor drum testing conducted by Dr. R. Munch.

Summary

Dr. R. Munch reviewed data on tests conducted with Aroclor 1242. It was concluded that drums specially made by Inland Steel Company were clearly superior to standard lined drums (Code #93320) with respect to degradation of electrical properties during storage.

After discussion regarding the need for precise duplication of these special drums, it was decided that initial orders should go to Inland and that qualification of our current supplier (Nesco) should be initiated.

Timing for the switch over to the special drums was set for January 1, 1973 and duration of period of use to confirm superior drum performance was estimated to be three months.

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A decision was also made to confine drum specification change to 55 gallon units only - 30 gallon and 5 gallon units to retain present specifications. It was also decided that proposed drum decoration changes (yellow color plus 6 language logo) would be initiated later. (NOTE: Subsequent to the meeting, J. R. Savage advised that a decision was made by Cumming Paton to effect this change concurrently.)

Program and Commitments

In order to effect the decisions noted above, the following program and commitments were established:

1. Set up new drum specifications (F. J. Kusiak and O. N. Mueth).
   NOTE: Special features for the new drum specifications are attached.

2. Arrange for present drum phase out and new drum procurement with Inland (O. N. Mueth).

3. Initiate drum decoration and logo change with Inland (O. N. Mueth and G. R. Sido).

4. Procure 16 gauge cold rolled steel sections phosphatized by Nesco (Iron Phosphate treatment) and run Aroclor compatibility tests (R. D. Minteer and R. Munch).

5. Assuming Nesco's phosphate treatment is satisfactory, procure 30 test drums for evaluation of electrical properties degradation during storage (R. D. Minteer and R. Munch).

F. J. Kusiak

FJK/rlg

Encls.

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SPECIAL FEATURES FOR NEW AROCLOR DRUM SPECIFICATIONS

1. Steel to be 16 gauge, cold rolled, free of rust and contaminants.

2. Steel ends and shell after forming to be washed and zinc phosphatized.

3. American flanges and plugs specified as follows:

   Zinc plated flanges - 2" - Part #133000225
   Zinc plated flanges - 3/4" - Part #113000225
   Zinc plated plugs - 2" - Part #232001625
   Zinc plated plugs - 3/4" - Part #212001625

4. Silicone gaskets in flanges and plugs.

5. Seaming Compound to be Dow Corning RTV 734.

6. Interior of drums after fabrication must be absolutely dry and plugs tightened securely.

7. Extra care to be exercised in manufacturing to insure optimum cleanliness. In this connection 100% inspection of shells and ends is necessary to guard against contaminants such as oil and grease.

8. All other details incorporated in the DOT 5B specification.

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