

St. Louis - General Offices

December 1, 1956

Aroclor Drums - Electrical
Grade Quality
Your memo November 14

MCARD
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In selecting a drum to ship electrical grade Aroclor, we should consider two problems:

1. How can we provide the very best electrical properties to the customer on receipt of the drum.
2. How can we avoid drum damage, leakage and so forth during shipment.

Of these two, problem #1 is by far the most unresolved.

Problem #1 not only involves the proper selection of a drum, but also the technique we use in cleaning and preparing the drum for filling with electrical grade Aroclor. Thus we need a drum lining which will protect the electrical properties during shipment; but of equal importance, we must develop better techniques for cleaning the drum prior to filling. Mr. Benignus feels that the real advantages which Prodeltac and Bayer have in delivering better electrical properties are gained through better cleaning of the drum - in addition to having more efficient protection against deterioration of electrical properties after the material is placed into the drums.

So the question becomes how to accomplish this most economically. Our recommendations would include the following:

1. concentrate on obtaining a drum which would provide maximum protection of the electrical properties of the Aroclor during shipment. We don't care how you do this - through phenolic linings or by using a galvanized drum or some other technique.
2. Develop the very best techniques for cleaning the drum prior to filling. Regardless of the selection of drum, to protect the electrical properties during shipment, it must be thoroughly cleaned and flushed with good quality Aroclor in order to make certain that the material then placed in the drum will retain the best electrical properties which we are able to produce.

DSW 249805

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3. At the present time we are more interested in protecting the electrical properties than we are in going from an 18 gauge drum to a 16 gauge drum. This latter move would provide added protection against drum damage, leakage and so forth; but this problem is not as serious as that of protecting the electrical properties during shipment.

With these objectives in mind, can you give us a progress report on the work which you have done toward the proper selection and cleaning of drums for shipment of capacitor Arcolor.

C. R. BUCHANAN

/s/

DSW 249806

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