Mr. O'Neal 6/3/41

CC Dr. Jenkins WATER IN AROCLOR

We have no experience with the water determination and reagents are not on hand at present. I assume that tests should start as soon as practical. Accordingly we will place order for the necessary supplies to try the Fischer method which has been used at Plant B.

We can make a qualitative test at present by the hot cup method where the Aroclor is poured into a very hot cup. In the presence of traces of water a sizzling sound is produced. More than traces gives popping or explosion. The relation of this test to ppm. of water is unknown but is said by Edwin Jewell (employed in April thru Mr. Semple) to be used by oil companies in checking lubricating oils where small amounts of water are likewise objectionable. In handling such lubricating oils, tanks are carefully cleaned and dried, moisture condensation prevented, calcium chloride guards are on vents, oil is blown with dry gas and filtered thru blotting paper, drums are cleaned and baked, drums are sampled individually and tested in 10-bbl. composites by the hot cup. These and other details were given to Mr. Weaver yesterday.

P Gerber

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