MITSUBISHI MONSANTO CHEMICAL COMPANY

FROM LOCATION Tokyo

DATE August 8, 1967

SUBJECT TCB SAMPLE

REFERENCE :

cc Messrs.
J. Cresce-St. Louis
D. Danna- "
J. R. Durland-Tokyo
D. T. Mowry-MJL
T. Katayama-Tokyo

TO Mr. G. R. Buchanan
St. Louis, Mo.

Based on recommendation for action described in Final Report on Aroclor, we have sent you three sample bottles of trichlorobenzene by air on July 18, of which invoice is enclosed.

These are obtained from Asahi Chemical, and include both crude and rectified TCB.

We asked air cargo agency to send you two sample bottles each, that is four bottles in total, but unfortunately one of them was broken at the agency when packaged and we are not sure which was broken.

Then, please advise us if these samples we sent be not sufficient for your test.

For your information, the refining conditions and some properties of these samples measured at MMK are attached.

We would appreciate your testing and evaluating these TCB samples, and informing us of the tests results and whether these TCB is suitable for transformer Askarel or not.

If we can be of any additional assistance, please let us know.

Best regards.

S. Matsuno

S. Matsuno
Director of Planning

Attachment

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DSW 200706

Refining conditions and some properties of TCB samples

1) Crude TCB

a) Refining conditions

Only distilled three times at Asahi Chemical

b) Properties

Total Acid Number	0.00013 mg KOH/gr.
Resistivity (80°C, 500V)	7×10^{8} ohm-cm
Dielectric Constant (80°C)	1.04

2) Rectified TCB

a) Refining conditions

Vacuum distilled the crude TCB using

Witmer rectifing column and dried for a few days by globular silicagel added in it at MMK.

First fraction (~58°C/4mmHg) of 10% was cut, and main fraction was distilled at 58 - 78°C/4 - 3 mmHg.

b) Properties

Water (ppm)	32.3
Total Acid Number (KOHmg/gr.)	0.00043
Inorganic chloride (ppm)	0.252
VR (50°C, ohm-cm)	1.68×10^{13}

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