MINNETONKA TESTING LABORATORY
insulating oil analysts INTERFACIAL TENSION--NEUTRALIZATION NUMBER--DIELECTRIC STRENGTH
4270 WATER ST., EXCELSIOR, MINN 55331 (612) 474-9202

March 14, 1975

① xc Ron Kuster WG

DW will return from Europe 4/9/75 & will answer them
R Kuster

② Action DW

Monsanto Chemical Company
W. G. Krummrich Laboratory
Sauget, Illinois 62201

Att: R. Kuster

Dear Mr. Kuster:

I have your Askarel "Inspection and Maintenance Guide" but I would appreciate any additional information you can give me on testing. I am particularly interested in the following:

1. Acid levels in Askarels are usually lower than in oils. How do acid levels indicate the state of deterioration of Askarel?

2. Do high acid levels also indicate moisture by the solution of hydrogen chloride in water, or are other acidic deterioration products involved?

3. If acids are chiefly hydrochloric, would a high acid level indicate possible arcing conditions even if cloudiness is not apparent? Would a test for chlorides be helpful?

4. Can one draw conclusions from a refractive index test if the type of Askarel is unknown?

5. Are there any significant personal health hazards to lab personnel handling occasional samples?

I try to help my customers with an anaylsis of test results, but my experience with Askarels is rather limited. I hope you will be able to help me with any testing and analysis information you have available.

Thank you.

Sincerely,

Clayton Nielsen

Clayton Nielsen

CN/ljn

Dave Do you want me to [illegible] this request or do you want it to go out from your office
R Kuster 4/24/75

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