cc: [redacted]

December 14, 1971

Caterpillar Tractor Company
Research Center
Peoria, Illinois 61602

Attention: Mr. Frank Gladson

Dear Mr. Gladson:

Thank you for your inquiry on vacuum diffusion pump fluids. As I indicated during our phone conversation, Aroclor 1254 is no longer available for this use. It has been replaced by Santovac 2. Santovac 2 is available in 60 pound (5 gallon)cans at $1.25 per pound and 600 pound (54 gallon) drums at $1.05 per pound, FOB Sauget, Illinois. A technical data sheet is enclosed.

As indicated on their labels, Santovac 1 and Santovac 2 contain polychlorinated biphenyls (PCBs) of various types. As you are aware, PCBs have increasingly come under the scrutiny of various governmental agencies and scientific laboratories. In some studies, certain PCBs have been found to be persistent, an environmental contaminant and possibly injurious to certain forms of bird, aquatic and animal life. Accordingly, it is important that PCBs be kept out of the food chain.

We want to remind your firm of the extreme care that must be taken by users of Santovac 1 and Santovac 2 fluids to prevent any entry into the environment through spills, leakage, use, disposal, vaporization or otherwise. Some specific applications where these fluids should definitely not be used are in vacuum systems involving food or food-related products, animal feeds, pharmaceutical products, packaging materials involving any of such items and buildings where any of these items are manufactured or stored.

If your vacuum system involves any of the mentioned applications, or if your system is such that entry into the environment cannot be prevented, you should replace Santovac 1 and 2 with non-PCB fluids immediately. Please contact your pump supplier for his recommended replacement product.

Used Santovac 1 and 2 should be returned to Monsanto Company, W. G. Krummrich Plant, Sauget, Illinois 62201, Attention: Supervisor Dept. 246 for proper disposal. This service is performed at cost, which is $0.03 per pound.

Before we supply your Santovac requirements we obviously need some indication of your application and disposal plans.

Very truly yours,

R. E. Hatton
Technical Manager
Hydraulics and Lubricants

/pep