bcc: GRB/RD/NTJ/SS
R. P. Sullivan - WILMINGTON
J. Pullman

November 8, 1967

Mr. Lee Page
Lever Brothers Company
5300 Holabird
Baltimore, Maryland 21224

Dear Mr. Page:

The enclosed tabulation records THERMINOL FR-2 sample results from your THERMINOL heat transfer system. These results have been previously reported, but I thought you might be particularly interested in the tabulation of the results, which is the format we are going to in the future for reporting sample results.

I trust that the surging problem in the system expansion tank which you had recently is now corrected and that the system is operating satisfactorily.

Viscosity and hiboiler levels of the most recent sample indicate negligible fluid decomposition. The acid number is increased somewhat over new fluid specification of 0.01 maximum but is below our arbitrarily established limit of 0.2. The moisture content is increased above our arbitrary limit of 150 PPM, and I would suggest a periodic venting of hot fluid from the discharge side of the pump or heater to the vapor space of the expansion tank. If all vapor lines are unplugged in the system, some degree of venting is provided by the cold seal trap and steam separator provided by American Hydrotherm. We have found that directly venting a hot stream of liquid to the vapor space of the expansion tank provides a more positive means of reducing moisture and acid number content.

DSW 435070

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If we can be of any further assistance, please feel free to contact our Wilmington Office, or call us direct in St. Louis.

Very truly yours,

Donald E. Roush
Engineering Specialist
Functional Fluids

DER:lh
Enclosures

DSW 435071