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

September 13, 1967

Mr. M. C. Brucksch
Detergent Bar Supervisor
Lever Brothers Company
P. O. Box 1737
Baltimore, Maryland 21203

Dear Mr. Brucksch:

The following analyses are reported on the sample of THERMINOL FR-2 submitted August 17, 1967:

Test	8/17/67 Sample	New THERMINOL FR-2 Specifications
Viscosity @ 100° F., Centistokes	54.1	52 maximum
Acid Number, mg KOH/g	0.40	Less than 0.01
Moisture, PPM	70	Less than 50

The sample results on viscosity and acid number indicate slight decomposition of the THERMINOL FR-2 heat transfer fluid. Although a specification maximum of 52 Centistokes on viscosity is listed, production material rarely exceeds 45 Centistokes on viscosity. Using this as the base and considering, also, the increased acid number, which exceeds our arbitrary limit of 0.2 mg KOH/g, we can make the foregoing judgment on decomposition. The moisture level at this point is quite satisfactory.

May I suggest that you submit another sample of fluid for analysis the first week in October at which time we can make further judgment on the condition of fluid in your system.

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