bcc: J. Pullman - New York
J. Roder - Chicago
J.Fallon - Detroit
NTJ/SS

October 12, 1968

Mr. Ken Stevenson
Burny Brothers, Inc.
300 W. North Avenue
North Lake, Illinois 60164

Dear Mr. Stevenson:

The following analytical results are reported for a sample of Therminol FR-2 submitted for analysis August 1968. These results have been discussed with Mr. H. Hartley of D.C.A. Foods last month.

Test	August Sample	New Therminol FR-2 Specification
Viscosity @ 100°F, cs	69.1	43 typical 53 maximum
Acid Number, mg KOH/g	3.35	0.01
Moisture, ppm	250	50

Viscosity is higher than the new fluid maximum specification, and could present sluggish pump operation at room temperature. Acid number on this sample is one of the highest ever observed and further indicates decomposition of the Therminol in your system. The moisture content is above our recommended limit of 150 ppm and is certainly higher than the new fluid specification. The Therminol FR-2 represented by this sample has undergone decomposition and it is recommended that the fluid be changed from the system at this time. I understand from Mr. Hartley at D.C.A. that additional samples of fluid will be sent for analysis. These have not been received yet.

DSW 434951

If we can be of any further assistance in this matter, please feel free to contact our Therminol Specialist in Chicago, Mr. Jim Roder at 3158 Des Plaines Avenue, Des Plaines, Illinois 60018, Phone (312) 296-6688, or me in St. Louis.

Very truly yours,

D. E. Roush
Engineering Specialist
Functional Fluids

DER:PKE

CC: Mr. R. Caldwell
Vapor Corporation
6420 W. Howard Street
Chicago, Illinois 60648

Mr. H. Hartley
D.C.A. Food Industries, Inc.
Ellicott City, Maryland 21043