25711 Southfield Road
Southfield, Michigan 48075
Telephone 313 424-8860

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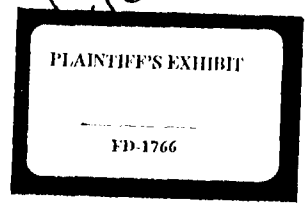

May 21, 1976

Mr. Charles E. Plasters
Industrial Hygienist
Ford Motor Company
3001 Miller Road
Dearborn, Michigan 48121

Job No. 4233-476-LA
Date Received 4/13/76
Final Report

Clayton Environmental Consultants, Inc.

Dear Mr. Plasters:

The bulk talc sample which you submitted to us has been analyzed for asbestos by X-ray diffraction as requested.

The X-ray diffraction pattern of the sample shows that a number of peaks are present, including those due to talc, which interfere with the determination of asbestos. Talc produced strong responses at the primary diffraction angles of three of the six forms of asbestos (actinolite, tremolite, and anthophyllite). An interference near the primary and secondary peaks of chrysotile was also present. Therefore, it was necessary to analyze the sample using the secondary or tertiary diffraction lines of these particular asbestos forms. Since the responses at the secondary and tertiary angles are generally much less than at the primary, the limit of detection for these various forms of asbestos is higher than that which can normally be obtained. It should also be noted that the limits of detection for crocidolite and amosite in general are relatively higher than for the other forms.

It has been a pleasure to be of assistance to you. Please contact us if you have questions concerning any aspects of this report.

Very truly yours,

Robert D. Soule/D.H.

Robert D. Soule, P.E.
Vice-President
Director, Laboratory Services

RDS:ph
Enclosure