FILE NAME: Ford (FD)

DATE: 1977 Nov 14

DOC#: FD024

DOCUMENT DESCRIPTION: Letter to Ford Customer RE Asbestos with Attached Bibliography

FORD PARTS AND SERVICE DIVISION TWO-WAY MEMO

REFERENCE NUMBER

TO: DEPT. Safety & Environment ATTN. R.E. Kimbell SUBJECT: CUSTOMER INQUIRY

DIVISION Car LOCATION 275 LHD

L [ ] WRIGHT 11/14/77 LOS ANGELES

The attached customer letter has been received by the Owner Relations Operations Department. We are forwarding the letter to your activity for assistance in providing an appropriate response.

M [ ] Please provide information indicated which is essential for our response.

S [ ] Please reply directly to the customer and send a carbon copy to this office

S [ ] For your reply. Carbon copy to this office not required.

A [X] Other: Please provide information for our response

G E

Signed [signature] At Owner Relations Operations Dept. Room 816 - Parklane Towers West Ext. 322-4337

YOUR INPUT REQUIRED TO ASSIST A FORD PRODUCT OWNER

PLEASE PRINT REPLY BELOW

The possibility of carciogenic effects and asbestosis due to the

R ambient spread of asbestos from automobiles is minute. The reason

for this finding is that the asbestos in brake and clutch linings

is converted to a non-fiberous material by the high temperature

E involved in normal vehicle usage. Therefore, the automobile is not

significant as a source of free asbestos.

Ford has examined the total process of providing asbestos lining

P materials on its vehicles. From a medical standpoint, problems from

exposure to asbestos may have to be overcome in the mine, in the making

of the linings and in our supplier plants. Free asbestos from vehicle

L usage and brake service is not considered a problem.

Mr. E. J. Selikoff is an internationally recognized authority on this

Y subject and has agreed with these findings. His works are referenced

in an SAE paper on the subject. (SAE 730549 - Asbestos Emissions from

Signed [signature] Dept. Safety Data Review Date 1-13-78

Division Car Safety & Emissions Staff Location WHQ E Bldg 275

364-123 JUL 77 2 - RECIPIENT - RETURN TO SENDER WITH COPY

PQL

003315 MICROFILM REFERENCE

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Brake Dynamometer Tests by A. E. Anderson, R. L. Gealer, R. C. McCune and J. W. Sprys). The EPA conducted research that resulted in similar findings (Report No. 68-04-0020 Brake Emissions). The EPA report is summarized in another SAE Paper (SAE 730548 - Brake and Clutch Emissions Generated During Vehicle Operation by M. G. Jacko, R. T. DuCharme and J. H. Somers).

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2.	Exposure to Asbestos During Brake Maintenance	D.E. Hickish and Kili Knight Medical Services, Ford of Britain	1970
3.	Asbestos Emissions from Brake Dynamometer Tests	R.L. Gealer, R.C. McCune and J.W. Sprys Ford Motor Company	May 14-1 1973
4.	How Much Asbestos do Vehicles Emit?		6/73
5.	The Hazards of Asbestos for Brake Mechanics	Barry Castleman, Lucille Camarota, Albert Fritsch, Susan Mazzocchi, and Robert Crawley - Public Health Reports	5/6/75
6.	Asbestos Exposure During Brake Lining Maintenance and Repair	Arthur Rohl, Arthur Langer, Mary Wolff, Irving Weisman - Mt. Sinai School of Medicine	1976
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8.	Airborne Asbestos in the Vicinity of a Freeway	J. Alste, D. Watson and J. Bagg University of Melbourne	1976
9.	Asbestos Content of Dust Encountered In Brake Maintenance and Repair	Rohl, Langer, Klimentidis Wolff, and Selikoff - Mt Sinai School of Medicine	January 1977
10.	On the Utility of Dark Field Electron Microscopy in Determination of the Degree of Deformation in Chrysotile Asbestos	K. Seshan U. S. Dept of Energy	October 1977

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11.	A characterization of Chrysotile Asbestos	K. Seshan, Glenn Smith	1977
12.	Automobile Brake Linings May be a Health Hazard	American Industrial Hygiene Association	April 1978
13.	A Study of Airborne Asbestos Fibers in Connecticut	Leonard Bruckman Connecticut Dept of Environmental Protection	November 1978
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18.	Mortality in Canadian Miners and Millers Exposed to Chrysotile	J. C. McDonald	1979
19.	Occupational Lung Disease - Agents of Inorganic Origin	J. C. Wagner	1977
20.	The Complexities in the Evaluation of Epidemiological Data of Fiber Exposed Populations	J. C. Wagner	1979
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