FILE NAME: Ford (FD)

DATE: 1979 May 17

DOC#: FD237

DOCUMENT DESCRIPTION: Memo with Data Report - Industrial Hygiene Study of Asbestos Exposure, Dept 74 - Kentucky Truck Plant

File

Inter Office

Personnel and
Organization Staff

May 17, 1979

Mr. C. Roth, Manager
Kentucky Truck Plant

cc C. Allen, M.D.
J. Henry
R. Pascoe
P. Resch

Subject: An Industrial Hygiene Study of Asbestos Exposure, Department 74 - Kentucky Truck Plant

As requested by Mr. P. Resch, Safety Engineer for Kentucky Truck Plant, an asbestos study was made to determine employe exposure at the clutch assembly area.

Employes remove clutch assemblies from boxes and assembly them to the engines. Employe exposures to asbestos dust primarily occurs when the discs are actually handled. Breathing zone samples were taken from the two employes actually involved in clutch assembly. Breathing zone samples revealed one of the two employes exposure exceeded Ford and OSHA medical monitoring limits of one tenth fiber per cubic centimeter of sampled air. An additional bulk sample from the clutch assembly boxes was found to contain asbestos. Disposal and handling of these boxes require special attention. Per Company and OSHA requirements, all asbestos containing waste must be handled properly to minimize creation of airborne dusts. Boxes should not be thrown into open hoppers, rather should be placed in closed, preferably sealed containers for disposal. Refer to OSHA 29CFR1910.1001 (h) (2) for specific coverage of waste disposal.

James M. Sproat

James M. Sproat
Industrial Hygienist
Industrial Hygiene & Toxicology Dept.

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attachment

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INDUSTRIAL HYGIENE SERVICES SECTION
INDUSTRIAL HYGIENE & TOXICOLOGY DEPARTMENT
EMPLOYE HEALTH SERVICES

KENTUCKY TRUCK PLANT

February 15, 1979

Clutch Assembly Area Department 74

OCCUPATIONAL EXPOSURE LIMIT TO AIRBORNE CONTAMINANTS:

Air Contaminant	8-Hour TWAE	Ceiling Limit	Medical Monitor
Asbestos	2 fibers/cc	10 fibers/cc	0.1 fibers/cc

RESULTS

Employe	Social Security Number	Asbestos	Occupation	TWAE
Kruer, D.	305-66-0894	.04 fibers/cc	Clutch assembly	.03 fibers/cc
Kruer, D.	305-66-0894	ND	Clutch assembly	.03 fibers/cc
Muncy, G.	312-62-6273	.50 fibers/cc*	Clutch assembly	.45 fibers/cc *
Muncy, G.	312-62-6273	.40 fibers/cc*	Clutch assembly	.45 fibers/cc *

Equipment utilized: Bendix BDX-41 pumps @ 2.0 LPM; .8μ millipore filters

DATA RETRIEVAL NUMBERS: JMS-676 through JMS-679

Analyses: Clayton Environmental Consultants, Inc.

ND = not dectected <.02 fibers per cc of sampled air

* = Excessive concentrations for medical monitoring

8006 2120

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

RW file

January 30, 1979

Mr. C. E. Plasters
Industrial Hygienist
Industrial Hygiene & Toxicology Dept.
Ford Motor Company
15000 Century Drive
Dearborn, MI 48121

Job No. 7946-179-LA
Lab No. 142064
Sample Description: Ky. Truck Plant

Clayton Environmental Consultants, Inc.

Dear Mr. Plasters:

The bulk sample which you submitted to us on January 25, 1979 has been analyzed as requested; the result follows.

X-ray diffraction analysis of the sample indicated the presence of 10% chrysotile. No other forms of asbestos were detected. Our limits of detection for the various asbestos forms are 1% for chrysotile, tremolite, anthophyllite, and actinolite, 3% for amosite, and 6% for crocidolite.

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

Sincerely,

Jaswant Singh

Jaswant Singh, Ph.D., C.I.H.
Assistant Vice President
Director, Laboratory Services

JS/fc

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