Name & Department		File Code / Division	Date / Plant/Office	CIM Number
M. Murphy	Plant Manager	General Manufacturing	February 2, 1978 Detroit Forge and Axle	440-00-(
Name & Department		Division	Plant/Office	CIM Number
Redmond	Industrial Hygiene	Employee & Indus. Relat.	Chrysler Center	417-05-1

SEMIANNUAL ASBESTOS SURVEY - DEPARTMENTS 78, 80, and 81

On January 9 through 11, 1978, the semiannual asbestos survey was conducted by T. Carapezza, F. M. Borawski and the writer in the Eldon Avenue Axle Plant. This periodic monitoring is required by the OSHA asbestos standard.

None of the samples obtained were in excess of the permissible exposure limit of two fibers per cubic centimeter of air. However, because several employees in all three departments have been exposed to asbestos dust concentrations exceeding 0.1 fibers per cubic centimeter during this survey and during previous surveys, it is recommended that employees performing the following operations be given annual physical examinations, which are to include chest x-rays and pulmonary functions tests:

Department 78;
- Excello Grinder Operators
- Belt Sander Operators
- Pelletizer Operators
- Glue Room Employees
- Loaders of Brake Shoe Ovens #1 and #2
- Unloaders of Brake Shoe Ovens #1 and #2

Department 80;
- Brake Assemblers
- Gangler Machine Operators
- Gaugers
- Loaders of Brake Assemblies into Tote Boxes
- Shoe and Lever Machine Operators

Department 81;
- Assemblers of Brakes to Axles
- Inspectors
- Employees along the assembly line following the assembly of the brakes to axles

PLAINTIFF'S EXHIBIT 1 CHR-88

Louis Redmond
Senior Industrial Hygienist

hm
Attachment
cc: C. J. Bogucki, M. D.
F. M. Borawski
F. A. Burnett
J. J. Hayes
N. McCallum
R. D. McIntosh, M.D.
W. M. O'Brien

PLAINTIFF'S EXHIBIT NO. 14-78

Data Sheet
Eldon Avenue Axle Plant
Airborne Asbestos Dust Concentrations

Location	Fibers per cc of Air
Permissible Exposure Limit	2.0
Department 78;	
(1) At XLO machine 55-0141	< 0.1
(2) Unloading #2, Brake Shoe Oven	< 0.1
(3) Unloading #1, Brake Shoe Oven	< 0.1
(4) Loading #1 Brake Shoe Oven	< 0.1
(5) Unloading #2 Brake Shoe Oven	< 0.1
(6) At XLO Machine 55-0137	< 0.1
(7) Transfers shoes from trays to tubs, Utility Man	< 0.1
(8) Loading #2, Brake Shoe Oven	0.1
(9) Glue Room, Floor inspector	0.1
(10) Glue Room, Loader	0.4
(11) Unloading conveyor and loading oven	1.6
(12) Unloading conveyor at #1 oven and loading #1 oven	0.3
(13) At Pelletizer	0.1
Area sample, on nearest grinder #0136, north side not operating - near Pelletizer	< 0.1
Area sample, on top of Pelletizer	< 0.1
(14) At Pelletizer, also adds Portland cement(Type 1A)	0.1
Department 80;	
(15) Line 6, assembler	0.2
(16) Line 6, assembler and utility	0.1
(17) Line 8, assembler, small brakes	< 0.1
(18) Operator of Gangler Machine #6	0.6
(19) Line 7, Brake Shoe assembler	0.2
(20) Line 9, Brake Shoe assembler	0.2
(21) Operator of Gangler Machine #2	0.5
(22) Line 7, Finished assembly loader	< 0.1
(23) Line 9, gauger	0.1
(24) Line 7, gauger	< 0.1
(25) Line 9, Inspection and loading	< 0.1
(26) Line 8, gauger, (L. Body)	< 0.1
(27) Line 8, Brake adjuster assembly	0.1
Department 81;	
(28) 9½" Line, Mounting brakes to axles	< 0.1
(29) 8½" Line, Inspection	0.1
(30) 8½" Line, Mounting brakes to axles	< 0.1
(31) 8½" Line, Mounting brakes to axles, west side	0.1
(32) 7½" Line, Mounting brakes to axles, west side	< 0.1
(33) 7½" Line, Nut running, west side	0.1

The above samples were collected on cellulose ester filters, utilizing MSA Model G Pumps. The fiber counts were made utilizing phase microscopy.