FILE NAME: Caterpillar (CAT)

DATE: 1974 Aug 29

DOC#: CAT060

DOCUMENT DESCRIPTION: Memo RE Air Sampling Conducted at the Milwaukee Plant

CATERPILLAR TRACTOR CO.

PEORIA

PLANT OR OFFICE	DEPARTMENT	ATTENTION	

☐ DESTROY FILE UNTIL (DATE)

DATE August 29, 1974

PLANT OR OFFICE Milwaukee

DEPT. Planning

ATTN. M. Nordling

cc: G. W. Grawey, M.D.
R. R. Hoffman
J. C. Myers
E. J. Sabljack, M.D.
D. Stollenwerk

Subject: Results of Air Sampling Conducted in the Milwaukee Plant

This report covers the results and evaluation of air samples collected at brake band assembly and hard facing operations during late June 1974.

I. Pipe Layer Brake Band Assembly

Four samples were taken for determination of airborne asbestos fiber count. These samples covered one hour of operation at an above normal work pace. The results are tabulated below.

Sample #	Date	Air Vol.	Fibers Found	Asbestos Fibers/ cc. air
A	6-14-74	29.25 liters	24,000	0.82
B	6-14-74	29.25 liters	24,300	0.83
C	6-14-74	29.25 liters	22,800	0.78
D	6-14-74	29.25 liters	21.600	0.74

Note 1 - total fiber count represents those greater than 5 micrometers in lengths as specified in OSHA 1910.93a.

Note 2 - The present OSHA limit is 5 fibers per cubic centimeter of air. Effective July 1, 1976, this limit will be reduced to 2 fibers per cubic centimeter of air.

Results of this recent air monitoring indicate that there is no excessive asbestos fiber exposure at present. With any increased production rate and the absence of exhaust ventilation control this operation should be critically reviewed in light of the reduced exposure limit effective in July 1976. The results reported in this study are about 50 percent of the 1976 allowable limit.

PLAINTIFF'S EXHIBIT
CAT-46

01-896-80505-2

M. Nordling August 29, 1974

Since there is no local exhaust ventilation in the brake band assembly area and the no effect level of asbestos fibers in air is not established, the following action should be taken.

1. Newly opened boxes of brake bands should be vacuumed as parts are removed.

2. Any dust generated at drilling and countersinking should be vacuumed up and not left to be redispersed.

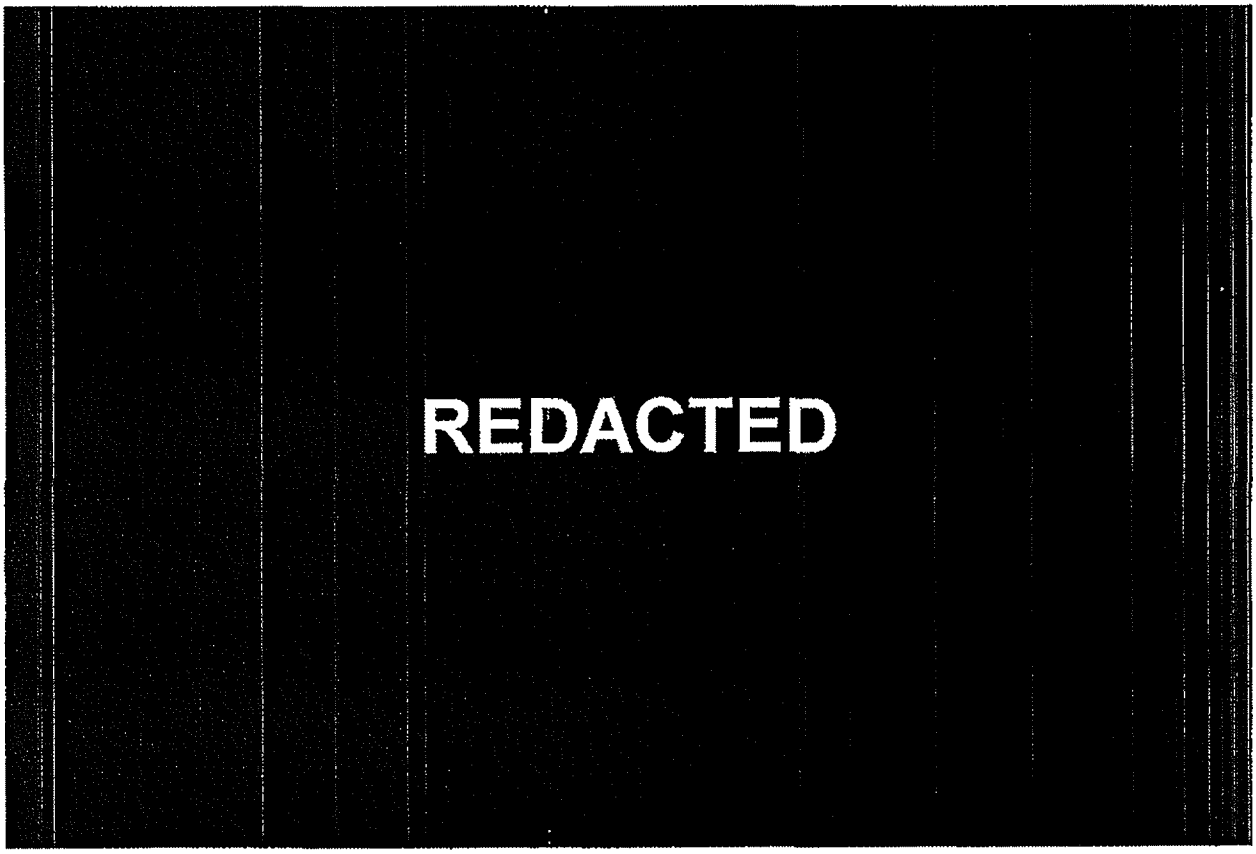
3. Bench tops in the work area should be kept clean by periodic vacuuming.

4. Any waste, scrap, or other debris should be sealed in plastic bags for proper disposal as per OSHA 1910.93A.

5. Plant Medical Department review of OSHA regulations (1910.93a) on employee examinations and records.

6. A recheck of asbestos fiber concentration should be made in six months.

I believe a small vacuum cleaner could be used effectively in the areas mentioned in items 1, 2 and 3.



M. Nordling August 29, 1974

[redacted]

Please keep us informed of any action taken pertaining to this report.

R. E. Kinser

REKinser
Industrial Hygiene Engineer
Ext. 5315
jw