

FILE NAME: Caterpillar (CAT)

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DOCUMENT DESCRIPTION: Memo - Exhaust Ventilated Equipment

April 8, 1959

Peoria

Mfg.

C. Harker, Mtoe. Engr.

RE: EXHAUST VENTILATED EQUIPMENT

The following items indicate a need of further action above and beyond the usual maintenance care now provided:

Drake Band Line, LL-21-0

Several years ago two new "Torrit" dust collectors (M-13539 & M-13738) were installed to collect asbestos dust from brake band linings. This is considered a toxic dust, and needs an efficient type of collector. Recently a drop in effective exhaust rates has been noticed. This is due to inadequate cleaning of the filter elements within the collectors. Only shaking by use of the shaker handle is being done at the start of each shift by the operators.

This type of filter cleaning is inadequate due to the asbestos dust collected. Weekly brushing and vacuum cleaning of the filter elements is necessary in order to remove the cake of dust now adhering to the surfaces. It is the writer's opinion that this job is not part of the operator's duty on the line.

Fuel Tank Line, LL-11-G

The Paint Booth at this location has inadequate exhaust rates at the present openings. This is not a new condition, but has been getting worse during the past year. Long exhaust ducts are part of the cause of this condition.

It is understood that the regular maintenance care of this booth is adequate, but still nothing can be done to increase exhaust rates. The following action is suggested at this time:

1. Decrease the present openings around the booth so as to make more effective use of existing exhaust.
2. Increase the exhaust ventilation rate so as to remove more air from the booth. However, this will carry out more water into the ducts, unless proper eliminators are installed.
3. Redesign the paint booth to take care of the large tanks now being painted.



"LL" FILE

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