FILE NAME: AMMCO (AMC)

DATE: 1973 June 6

DOC#: AMC004

DOCUMENT DESCRIPTION: Letter with Internal Report on Asbestos Study for AMMCO Tools

National Loss Control Service Corporation

Long Grove, Illinois 60049
Telephone: 312-540-2400

June 6, 1973

Mr. Leonard Morrison
Ammco Tool Company
2100 Commonwealth
North Chicago, Illinois

Dear Mr. Morrison:

Enclosed is the report on the asbestos study conducted in your plant on June 5, 1973.

I believe the report is in the general format that we discussed. If you have any questions concerning this report, please feel free to contact us.

Sincerely yours,

Raymond B. Stone

Raymond B. Stone
Environmental Consultant

RBS/bls
Enc.

ASBESTOS STUDY

FOR

AMMCO TOOLS, INC.

NORTH CHICAGO, ILLINOIS



NATIONAL LOSS CONTROL SERVICE CORPORATION

Lake Grove, Illinois 60049

H 0033

ASBESTOS STUDY

FOR

AMMCO TOOLS, INC.

NORTH CHICAGO, ILLINOIS

INTRODUCTION

This report covers the results of an asbestos study conducted on June 5, 1973 to evaluate worker exposure to asbestos while operating Ammco Models 8000, 880, and 890 "Safe-Arc" Brake Shoe Grinders, in conjunction with the Ammco Model 8925 Disposable Bag Dust Collection System.

SUMMARY OF RESULTS

The results of this study indicate a worker operating Models 8000, 880, or 890 "Safe-Arc" Brake Shoe Grinders had asbestos exposures within the Threshold Limit Value specified by OSHA. This should hold true for all similar Ammco grinders if they are operated following the manufacturer's recommendations, and are equipped with the Model 8925 Disposable Bag Dust Collection System with the standard neck provided by the manufacturer. This study applies only to brake shoe grinders manufactured by Ammco.

RECOMMENDATIONS

None.

EQUIPMENT AND STUDY PROCEDURES

This study was conducted at the Ammco plant in North Chicago, Illinois. Mr. Leonard Morrison operated the grinder during all tests. Mr. John Murphy was also present.

The grinder was operated at 3000 rpm, the standard operating rate. The grinder was operated in accordance with the manufacturer's recommended procedures. Asbestos samples were taken during use of the Model 8925 Disposable Bag Dust Collector. The brake shoes that were used during the testing carried the identification number MG-20-FE-PS.

The asbestos fibers were collected on membrane filters. Air was drawn through the filters at a rate of 2.0 liters per minute. The top of the filter cassette was removed and the open face pointed downward.

The air samples were taken in the breathing zone of Leonard Morrison while he operated the grinder. Sampling times were selected to correspond with the time required for normal use of the grinder in completing a brake job.

Asbestos counting of samples was done in the NATLSCO laboratory by viewing the samples under a phase contrast microscope and counting the fibers. A minimum of forty fields were counted for each sample.

DISCUSSION

OSHA has set a 8-hour time weighted average limit for asbestos not to exceed 5 fibers longer than 5 micrometers per cubic centimeter of air. No employee shall be exposed at any time to airborne concentrations of asbestos in excess of 10 fibers longer than 5 micrometers per cubic centimeter of air.

The results of this study indicate that a worker operating the Ammco Models 8000, 880, and 890 "Safe-Arc" Brake Shoe Grinders following the manufacturer's recommendations, and with the Model 8925 Disposable Bag Dust Collection System with the standard neck, will not be exposed to asbestos concentrations exceeding the OSHA limits.

Respectfully submitted,

Raymond B. Stone

Raymond B. Stone
Environmental Consultant

ASBESTOS STUDY

AMMCO TOOL COMPANY

JUNE 5, 1973

Description of Operation	Sample Time Start/Stop	Concentration fibers/ml
Model 8925 disposable dust collection system, 1 brake job (8 shoes) ground during study, breathing zone sample, overhead door open	8:19/8:22	3.6
Model 8925 disposable dust collection system, 1 brake job (8 shoes) ground during study, breathing zone sample, overhead door closed	8:26/8:29	2.2
Model 8925 disposable dust collection system, 1 brake job (8 shoes) ground during study, breathing zone sample, overhead door closed	8:35/8:37	2.2

Two filters subjected to the same handling were turned in as blanks.

DATE 6-5-73

Kemper INSURANCE

TO Industrial Hygiene Laboratory, Long Grove Al

FROM RAY STONE LONG GROVE

2 INSURED	3 POLICY PREFIX	4 POLICY NUMBER	5 SIZE	6 STATE	7 CO.	8 COVERAGE	DATE SAMPLE TAKEN 6-5-73 / DATE RECEIVED HOME OFFICE 6/5/73
AMMCO TOOL CO	USC	01673	70	12	18	70	

FIELD NUMBER	SAMPLING VOLUME	ANALYZE FOR—	LABORATORY NO.	RESULTS
X-1	6L.	ASBESTOS	J-3576N	3.6 fibers/cm
X-2	6L.	"	3577N	2.2 " "
X-3	4L.	"	3578N	2.2 " "
2 BLANKS				1 July 1976 - 2 fib/mc ROP

COMMENTS:

EXPECT VERY LOW RESULTS

PLEASE CALL AS SOON AS FINISHED

OPERATION INVOLVES GRINDING OF BRAKE SHOES

ANALYTICAL METHOD: Phase Contrast

TIME: 15 min

H 0037

689-1111

June 5TH 8.A.M. .....

About 1 hour of asbestos sampling. Client needs report June 7TH. I did not promise. See if lab can count 2-3 samples & you write report all or 5TH.

Contact Lee Morrison

yellow membrane filters

4 pumps, 12 samples (one 2-3)

tubing, bits

YES-2 DEPENDS

blank? - background on sampling? (1)

can have report ready for mail or delivery - delivery at charge.

colegios

Aramco Tools

'73 ~~June 30~~
June 5, 1973

R.B.S.
D M Ciarello

— Add 3rd page -