PLAINTIFF'S
EXHIBIT
BRK-78

October 12, 1944

In re: O.D. 3442-22
Charles C. Bean

Supplementary Letter:

Medical Department
Industrial Commission of Ohio
Columbus 15, Ohio

Gentlemen:

An error in the last paragraph on the original report of October 6, which states "not over 3 million particles per cubic foot of aluminum oxide" should be corrected to read not over 3 million particles of aluminum dust.

Very truly yours,

Don Hamm
Safety Engineer

DH:mw

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FRIGIDAIRE DIVISION
GENERAL MOTORS CORPORATION
DAYTON 1, OHIO

October 10, 1944

Ohio Industrial Commission
Division of Safety and Hygiene
Columbus (15) Ohio

Re: O.D. 3468-22
Charles O. Beam

Attention: Mr. Don Hanna
Safety Engineer

Mr. Hubert S. Kline forwarded your letter and a copy of the letter prepared for your signature addressed to the Medical Department of the Ohio Industrial Commission to this office for the file in the above entitled cause.

Mr. Kline has pointed out an error in the last paragraph of the said letter to the Medical Department wherein you have described the aluminum dust as aluminum oxide dust. Although it is recognized that aluminum dust is not toxic, it is believed the record would be more accurate if you would forward a correction to the Medical Department eliminating the word oxide.

Very truly yours,

M. Holland Krise

M. Holland Krise
Director of Workmen's Compensation

MHK/m

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October 4, 1944

Mr. R. E. Kline, Ch. E.
Industrial Hygiene Laboratory
Frigidaire Division
General Motors Corporation
Dayton, Ohio

Dear Mr. Kline:

Copy of a letter written to the Medical Department by Mr. Don Harris is enclosed for your information.

If there is anything further this division can do to assist you, kindly let us know.

Very truly yours,

Superintendent

DHimm

October 6, 1944

In re: O.D. [illegible]
Charles [illegible]

Medical Department
Industrial Commission of Ohio
Columbus 15, Ohio

Gentlemen:

On September 22, 1944 a visit was made to the Frigidaire Division, General Motors Corporation, Dayton, Ohio to check conditions under which the above named claimant had worked. The company manufactures airplane propellers.

The claimant was a blade grinder working in Department 712 from approximately March 1943 to May 1944. His work consisted of grinding aluminum propeller blades with emery. Chemical analysis of the blades on which the claimant worked are as follows:

SPEC. [illegible]	Min.	Max.	SPEC. [illegible]	Min.	Max.
Copper	[illegible]	[illegible]	Copper	0.3	1.0
Silicon	[illegible]	[illegible]	Zinc	[illegible]	[illegible]
Manganese	0.4	[illegible]	Magnesium	[illegible]	[illegible]
Magnesium	-	[illegible]	Manganese	0.3	0.8
Iron	-	[illegible]	Iron	-	0.6
Chromium	-	0.10	Silicon	-	0.4
Zinc	-	[illegible]	Titanium	-	0.2
Others, Each	-	0.05	Others, Total	-	0.3
Others, Total	-	0.15	Aluminum Remainder		
Aluminum Remainder					

Dust counts taken by the company on January 16, 1944 on the benches where the claimant had worked were as follows:

Bench:	Pose:	Operation:	Exhaust Ventilation	Emery	Dust count:
1859	I-94	polish	yes	oil wheel	520,000
1837	H-96	buff	yes	rag wheel	2,100,000
1838	I-95	buff	yes	rag wheel	2,000,000
1860	I-95	polish	yes	#240	2,520,000
2740	I-90	camber	none	#80	1,400,000
1874	H-89	camber	none	old #120	3,100,000

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Claim O.D. 3469-22
Charles O. Bean (2)

This investigation discloses that the claimant's exposure to free silica would be practically nil and not over 3.0 million particles per cubic foot of aluminum oxide dust.

Very truly yours,

Ben Hamm
Safety Engineer

DHamm

Form 78-716 Printed in U.S.A.

For Inter-Organization Letters of

FRIGIDAIRE DIVISION

GENERAL MOTORS CORPORATION

DEPARTMENT Mfg. Research Lab. Plant #2
September 28, 1944

Dr. Shafer:

In view of the fact that you have a case involving a blade grinder who worked in 713 Department from approximately March, 1943, to May, 1944, Mr. H. S. Kline, of your department, has requested that we furnish you with the analyses of the blades that are handled in this department.

The small "E" blades are purchased on Spec. #2442. The large "F" blades in the past were purchased under specification #2470 but recently a change was made and they also are being purchased on Spec. #2442.

The chemical analyses of the two specifications are listed below.

SPEC. #2442

	Min.	Max.
Copper	3.9	5.0
Silicon	0.5	1.2
Manganese	0.4	1.2
Magnesium	-	0.03
Iron	-	1.0
Chromium	-	0.10
Zinc	-	0.25
Others, Each	-	0.05
Others, Total	-	0.15
Aluminum	Remainder	

SPEC. #2470

	Min.	Max.
Copper	0.3	1.0
Zinc	7.0	8.0
Magnesium	1.2	2.0
Manganese	0.3	0.8
Iron	-	0.6
Silicon	-	0.4
Titanium	-	0.2
Others, Total	-	0.3
Aluminum	Remainder	

L. Jaffe
Mfg. Research Lab.
Plant #2

LJ/blh
cc. Mr. Kline

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FRIGIDAIRE DIVISION
GENERAL MOTORS CORPORATION
DAYTON 1, OHIO

October 2, 1944

Industrial Commission of Ohio,
Columbus, 15, Ohio

Attention: Mr. Don Hanna.

Re: Charles O, Beam
O. D. 3468-22

Dear Mr. Hanna:

Enclosed herewith you will find the reports of various tests made in the department where the above entitled claimant was employed and the report of the metallic content of the blades together with the specification under which they are made.

The writer was absent from Dayton at the time of your inspection visit and I regret the fact we could not have met, however, if this office can be of any further assistance in this or any other claims do not hesitate to call upon us.

Very truly yours,

W. Holland Crise
Workmen's Compensation
Director.

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FRIGIDAIRE DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO

September 25, 1944

Mr. Don Hanna, Safety Engr.
Division of Safety and Hygiene
Ohio Industrial Commission
Columbus, Ohio

Dear Mr. Hanna:

We have gathered together reports on our dust analyses in the department and on jobs similar to those performed by Charles Beam. With one exception these dust determinations were made during the period of his employment as a blade grinder and polisher in Department #711. Also included with the above reports is a copy of the chemical analysis of the aluminum alloy used in the blades which he processes.

Dr. Shafer is planning to send the X-rays on Charles Beam to the Medical Department of the Industrial Commission and suggested that my reports be included with the X-rays so that the complete data will be sent to one person.

We were glad to have you visit us and will hope to see you in Chicago next week.

Very truly yours,

FRIGIDAIRE DIVISION

H S Kline
H. S. Kline, Ch. E.
Industrial Hygiene Lab.

HSK:PM

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