

**PAIR UP
FOR
SAFETY '77
LABOR & MANAGEMENT**

to file
**The Industrial Commission of Ohio
Division of Safety and Hygiene**
2325 West Fifth Avenue • Columbus, Ohio 43204
Phone (614) 466-3355

**47th All-Ohio
Safety Congress
& Exhibit
April 12, 13, 14, 1977**

APR 8 1977

PLAINTIFF'S
EXHIBIT
BRK-227

Legal Section
Industrial Commission of Ohio
Ohio Departments Building
Columbus, Ohio 43215

Risk # SI-2647

Attn: Jeff Nackley

Re: O.D. # 11701-22

Dear Sir:

In conjunction with the occupational disease of Mr. William H. Quillen, O.D. # 11701-22, an industrial hygiene investigation was conducted at the Delco-Moraine Division, GMC, 1420 Wisconsin Blvd., Dayton, Ohio.

Data was collected utilizing a general radio model 1565-B sound level meter. All levels measured were steady in nature and would represent the exposure level throughout a full shift.

Attached are the current noise standards as set forth by the agency's indicated. It is emphasized that cited maximum tolerance levels are valid for a high percentage of the population but not necessarily for specific individuals. Because of the wide variations in susceptibility of individuals to the effects of noise, some may suffer hearing damage or high annoyance when subjected to exposure values equal to, or even below, those limits given in the attached standards.

Noise data collected in the departments wherein Mr. Quillen worked while at Delco-Moraine represent conditions as they presently exist. Inasmuch as Delco-Moraine has an on going noise reduction program at their facility, it would appear a valid assumption that noise levels could have been higher in the past.

Following are levels measured in the departments Mr. Quillen's statement indicated he had worked in.

Department 5- 95 dBA - Officials of Delco stated the conditions in this department are much the same as they would have been during Mr. Quillen's early years. The entire department is classified as a noise hazardous area with the wearing of hearing protection mandatory.

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Department 9 - 92 dBA - At an inspectors work station - Here again the entire department is classified as a noise hazardous area with the wearing of hearing protection mandatory.

Department 48 - 85 dBA

Department 49 - 85 dBA

Department 19 - 92 dBA at an inspectors station - department designated as noise hazardous. Certain areas in department 19 are not classified as noise hazardous. Information as to which area Mr. Quillen worked could not be provided.

Department 45 Less than 80 dBA

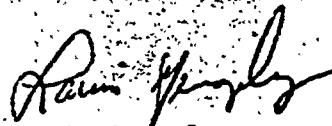
Department 22 86-88 dBA

Certain of the departments or locations Mr. Quillen had worked in have been changed or relocated to the point that any noise measurements at this date would be irrelevant as regards this claim.

Delco-Moraine designates noise hazardous areas as applied to the standard established by the Occupational Safety and Health Administration.

Applying the parameters of any existing standard, Mr. Quillen did during his employment at Delco-Moraine Division work in areas that are classified as noise hazardous areas.

Respectfully,



Louis Gergely
Industrial Hygienist

LG/ng

ATTACHMENT I

ENVIRONMENTAL PROTECTION AGENCY + AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENIST NOISE STANDARD.

<u>DURATION PER DAY</u> <u>HOURS</u>	<u>SOUND LEVEL</u> <u>dBA</u>
16	80
8	85
4	90
2	95
1	100
1/2	105
1/4	110
1/8	115

OSHA LIMITS

<u>DURATION PER DAY</u> <u>HOURS</u>	<u>SOUND LEVEL</u> <u>dBA</u>
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

CERTIFICATE OF AUTHENTICITY

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William D. Kaye
Supervisor, Microfilming Unit

By: *John Frey*
(Camera Operator)

Date Filmed: 1-3-85

BWC-6228 (11/82)
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