



STATE OF OHIO
THE INDUSTRIAL COMMISSION OF OHIO
DIVISION OF SAFETY AND HYGIENE
2325 WEST FIFTH AVENUE
P O BOX 1745
COLUMBUS OHIO 43216

PHONE (614) 466-3385

PLAINTIFF'S
EXHIBIT
BRK-134

Industrial Commission
WILLIAM W. JOHNSTON
Chairman
RAYMOND A. CONNOR
Vice Chairman
LEONARD T. LANCASTER
Member

JAMES A. RHODES
Governor

Division of Safety and Hygiene
PHILIP A. WORKMAN
Superintendent
BOB RILEY
Asst. Superintendent

May 1, 1978

Legal Section
Industrial Commission of Ohio
246 N. High Street
1st Floor
Columbus, Ohio 43215

O.D. 9765-22
Mary Buckner
New Departure Hyatt Bearings
Sandusky, Ohio

Attn: Jeff Nackley

Gentlemen:

On November 16, 1977, a visit was made to New Departure Hyatt Bearings, 2509 Hayes Street, Sandusky, Ohio, to evaluate the conditions under which the claimant worked.

According to company records, the claimant was hired on April 26, 1955, as an assembler. She held several different jobs in the production area before being transferred to work as a janitor in the office area. She is currently listed as being on a leave of absence. Due to its length, a complete work history is attached, rather than repeated here.

Changes have been made in both the production and office areas, which make them different from the time the claimant worked there. Many of the production operations have either been relocated or eliminated. A new office building has been completed and occupied. These changes make it impossible to determine what conditions were like previously. However, some definite statements can be made.

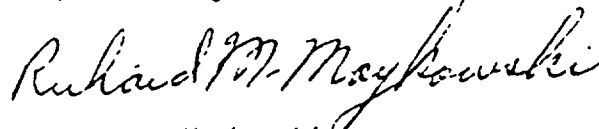
The production area of the plant was filled with the blue haze of oil mist. This is common for operations of this type. No air samples were collected because the claim being investigated did not relate to exposure in the production area. Mr. Stanley of the company stated that air samples had been collected by industrial hygienists from General Motors. Copies of the results of these measurements were requested, but have never been received.

The type of "oil" used almost exclusively in this plant is the type known as "water soluble coolant". This is an emulsion of oil, water and other chemicals added for specific purposes. Two of the common additives are formalin and amines. The formalin is used to prevent the growth of micro organisms in the mixture and the amines are corrosion inhibitors. Both of these materials are sensitizing agents, i.e. after sensitization, usually as a result of exposure over a period of time but in some cases as a result of one acute dose, any contact with the sensitizing agent causes a severe allergic reaction in the sensitized person. The reaction can be triggered as a result of exposure to minute amounts of the substance, amounts undetectable by normal analytical procedures. This is especially true in the case of sensitivity to amines, as well as some other chemicals.

The possibility of exposure to even the minute amounts needed to trigger the allergic reaction in a sensitized person is impossible to determine since the building has been changed. However, some observations should not be overlooked. As long as the production area and office areas are physically connected, there will be some interchange of air between them through doors, etc. Also, as long as people regularly spend their time in both the production and office areas, these people will serve to convey small amounts of oil from one area to the other. This will be accomplished by carrying on shoes, by splashing onto clothing, by brushing against oily machinery and fixtures, and by the absorption of the considerable amounts of airborne oil mist into clothing. This last is illustrated by the oily smell of clothing worn in such an area, even if no direct contact with the liquid oil has occurred.

Another possibility exists which should not be ignored. The cleaning products used in janitorial work contain combinations of chemicals, germicides, detergents, etc. There is a possibility that the claimant has developed an allergic reaction to one of these products or that one of the products contains an ingredient similar enough to the factor which caused the oil dermatitis to produce the same response.

In conclusion, from an industrial hygiene standpoint, the possibility exists that the claimant's dermatitis is related to her employment. Two possible causes are apparent, the oil and the cleaning agents used by the janitors. Pinpointing the exact cause would appear to be the responsibility of a dermatologist.



Richard M. Maykowski
Industrial Hygienist

Reference:

Industrial Toxicology, Hamilton and Hardy

RMM/nlg

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ADDRESS		BUCKNER, Mary E. 509 W. Main St. Bellevue, Ohio 131 Sinclair St. 44811 R. #1, Monroeville, Oh 44847 131 Sinclair St. Bellevue, Oh 44811		Phone 419-36-5464 2-5272 187-1201 483-6713 483-6713 465-2672 483-6713	Sex F	Married X	Single	Divorced	Widow	Separated	158	Yes	Children 1	Dependents
MILITARY SERVICE														
Branch	Rating	Serial No.	Date Entered	Date Discharged	Type Discharge	Present Affiliation (Reserve, Etc.)								
EDUCATIONAL RECORD														
GRADE	NAME AND ADDRESS OF SCHOOL				Years	Graduate	Type Course	Credits or Degrees						
HIGH	Double Springs				4	No	Typing & Math							
COLLEGE														
OTHER														
ITEM NO	WFM	SHORT-MADE	WFM	BUSINESS MACHINES										
PREVIOUS EMPLOYMENT														
NAME AND ADDRESS OF COMPANY				FROM	TO	OCCUPATION	REASON FOR LEAVING							
Dominion Elect. - Mansfield, O.				8-49	8-51	Buffer	Lay Off							
Philco Corp. - Sandusky, O.				9-51	1-53	Inspector	Sick							
OTHER														
General Elect. - Bellevue, O.				1-53	1-55	Auto Mach.	Lay Off							
EMERGENCY - NOTIFY														
MISC.														
MERITS														
DISCIPLINES														

DATE	ACTION	DEPT.	CODE AND OCCUPATION	SEN. GROUP	DATE	CLOCK NO. - REASON	REMARKS
4-26-55	Hire	070	161 Assembler	33	1.56	070-599 - 2	
5-23-55	B	070	161-Assembler	33	1.61	070-599 - 2	
5-29-55	N & L	070	161-Assembler	33	1.69	070-599 - 2	
6-15-55	Laid Off. Reduction in force.						
9-26-55	Reinst. (T)	110	161-Assembler	36	1.69	110-525 - 3	
10-31-55	Auto	110	161-Assembler	36	1.74	110-525 - 3	
1-30-56	Dept T & ST	030	1656-Pr Oper H&DPR&ST	31	1.74	030-511 - 2	
2-6-56	ST	030	1656-Pr Oper H&DPR&ST	31	1.74	030-511 - 3	
4-9-56	ST	030	1656-Pr Oper H&DPR&ST	31	1.74	030-511 - 1	
4-30-56	Dept TRF	220	1210-Lapper - coolant	31	1.77	220-557 - 3	
5-5-56	Laid Off. Reduction in force.						
8-2-56	Reinst.	410	1340-Misc. Mach Oper	31	1.83	410-515 - 1	
9-3-56	Dept T	400	1210-Lapper - T Eng	31	1.83	400-551 - 2	
10-15-56	Dept T	030	1656-Pr Oper H&DPR&ST	31	1.83	030-543 - 1	
10-22-56	T	1000	Sk Lv of Abs 10-31-56 incl.				
11-29-56	T	030	1656-Pr Oper H&DPR&ST	31	1.83	030-543 - 1	
2-3-57	Occ-Dept T	410	1340-Misc Mach Oper	31	1.83	410-508 - 1	
3-11-57	Dept TRF	030	1656-Pr Oper H&DPR&ST	31	1.83	030-543 - 3	
3-18-57	ST	030	1656-Pr Oper H&DPR&ST	31	1.83	030-543 - 1	
4-28-57	Dept TRF	160	161-Assembler	36	1.80	160-526 - 2	
5-6-57	Dept T	240	1210-Lapper	31	1.83	240-520 - 3	
5-13-57	Dept T-Req.	110	161-Assembler	36	1.80	110-515 - 2	
5-23-57	T	1000	Sk Lv of Abs to 6-9-57 incl.				
7-1-57	T	110	161-Assembler	36	1.86	110-515 - 2	
7-8-57	Dept T	400	161-Assembler	36	1.86	400-515 - 2	
7-15-57	Dept T-req.	130	161-Assembler	36	1.86	130-564 - 1	

DATE	ACTION	DEPT	CODE AND OCCUPATION	DEPT. DATE	DEPT. GROUP	NAME	CLOCK NO. - REASON	REMARKS
7-29-57	The	400	1340-Misc Mach Oper	31	1.89	BUCKNER, MARY E.	400-526 - 1	
12-2-57	Leit T	083	2350-Wrap & Pack	31	1.86		083-538 - 1	
12-6-57	Laid off. Reduction in force.							
10-27-58	Reinst.	130	1210-Lapper <i>Love</i>	39	2.10		130-508 - 2	
12-15-58	ST	130	1210-Lapper	39	2.10		130-508 - 3	
1-5-59	Dept T	240	1210-Lapper <i>Stone</i>	39	2.10		240-510 - 3	
6-1-59	ST	240	1210-Lapper	39	2.10		240-510 - 2	
6-8-59	Dept T & ST	400	1210-Lapper <i>Love</i>	39	2.10		400-505 - 3	
6-15-59	Dept T & ST	220	1210-Lapper	39	2.10		220-524 - 1	
8-1-59	P	220	1210-Lapper	39	2.16		220-524 - 1	
12-14-59	T	1000	Sk Lv of Abs from 12-14-59 to 2-28-60, incl.					
2-29-60	T	220	1210-Lapper	39	2.16		220-524 - 1	
2-29-60	Laid off. Reduction in force.							
10-3-60	Reinst.	400	161-Assembler	45	2.19		400-515 - 2	
10-14-60	Laid off. Reduction in force.							
9-25-61	Reinst.	140	161-Assembler	45	2.23		140-516 - 2	
10-2-61	B	140	161-Assembler	45	2.35		140-516 - 2	
10-27-61	Laid off. Reduction in force.							
1-8-62	Reinst.	130	161-Assembler	47	2.35		130-513 - 2	
1-15-62	Dept T	160	161-Assembler	47	2.35		160-523 - 2	
3-5-62	Dept T & B	241	1210-Lapper	47	2.38		241-516 - 2	
6-18-62	Occ	241	1340-Misc Mach Oper.	47	2.38		241-516 - 2	
8-27-62	Reorg	231	1340-Misc Mach Oper.	47	2.38		231-553 - 2	
9-3-62	B	231	1340-Misc Mach Oper.	47	2.44		231-553 - 2	
4-1-63	Leit TRF	400	161-Assembler	47	2.41		400-503 - 2	
4-12-63	Laid off. Reduction in force.							

PHYSICAL
TEAM

NEW DEPARTURE DIVISION

DATE	ACTION	DEPT.	CODE AND OCCUPATION	DEPT. DATE	DEPT. GROUP	NAME	CLOCK NO. - REASON	REMARKS
5-27-63	Reinst.	140	161-Assembler	47	2.41	BUCKNER, MARY E.	140-538 - 2	
6-3-63	Dept T	400	161-Assembler	47	2.41		400-519 - 2	
8-5-63	Dept T	140	161-Assembler	47	2.41		140-534 - 2	
7-29-63	T	1000	Sk Lv of Abs from 7-29-63 to 8-25-63, incl.					
9-2-63	B	140	161-Assembler	47	2.47		140-534 - 2	
9-16-63	T	140	161-Assembler	47	2.47		140-534 - 2	
7-16-63	Lept T	400	161-Assembler	47	2.47		400-525 - 2	
9-30-63	T	1000	Sk Lv of Abs from 9-30-63 to 10-13-63, incl.					
10-7-63	Dept T & ST	083	2350-Wrap & Pack	47	2.47		083-501 - 1	
10-14-63	T	083	2350-Wrap & Pack	47	2.47		083-501 - 1	
11-18-63	Dept T & ST	400	161-Assembler	47	2.47		400-534 - 2	
4-3-64	Laid off RIP							
12-11-67	Reinst.	561	1000-Janitor	45	3.140		561-527 - 2	
8-5-68	T	1000	Sk Lv of Abs from 8-5-68 to 9-1-68, incl.					
11-4-68	T	561	1000-Janitor	42	3.140		561-527 - 2	
11-25-68	ANNUAL IMPROVEMENT FACTOR				3.230			
2-10-69	Dept T	450	161-Assembler	41	3.300		450-507 - 2	
4-29-69	T	1000	Sk Lv of Abs from 4-29-69 to 6-1-69, incl.					
7-7-69	T	450	161-Assembler	41	3.300		450-507 - 2	
7-7-69	T-Dept.	083	2350-Wrap & Pack	41	3.300		083-521 - 2	
8-11-69	T	1000	Sk Lv of Abs from 8-11-69 to 9-7-69, incl.					
10-13-69	Dept T & ST	581	1000-Janitor	42	3.230		581-523 - 2	
10-20-69	ST	581	1000-Janitor	42	3.230		581-523 - 2	
10-13-69	T	083	2350-Wrap & Pack	41	3.300		083-521 - 2	
10-13-69	Dept T & ST	581	1000-Janitor	42	3.230		581-523 - 1	

PHYSICAL
TEAM

NEW DEPARTURE DIVISION

581 - janitor only in office

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DATE	ACTION	DEPT.	CODE AND OCCUPATION	EMP. GROUP	DATE	CLOCK NO. — REASON	REMARKS
4-26-55							
10-20-69	ST	581	1000-Janitor	42	3.230	581-523 - 2	
3-16-70	T	1000	Sk Lv of Abs from 3-16-70 to 5-17-70, incl.		3.330		
5-25-70	T	581	1000 Janitor	42	3.330	581-523 - 2	
7-10-70	Term. in Accord. with		Par. 64(c) of M.A.				
7-10-70	Reinst.	581	1000-Janitor	42	3.330	531-523 - 2	
6-24-70	T	1000	Sk Lv of Abs from 6-24-70 to 8-3-70, incl.				
11-27-70	B				3.980		
12-7-70	Dept T	581	1000 Janitor	42	3.980	581-523 - 2	
12-7-70	Dept T	120	1205 Laborer	42	4.050	120-509 - 2	
12-14-70	Dept T	581	1205 Laborer	42	4.050	581-523 - 2	
2-1-71	Reorg	561	1205 Laborer	42	4.050	561-522 - 3	
4-12-71	Code Correction	561	1000 Janitor	488	3.980	561-522 - 2	
6-25-71	T	1000	Sk Lv of Abs from 6-25-71 to duration				
11-1-71	T	561	1000-Janitor	488	03.980	561-5220 - 3	
11-22-71	B				21.00		
2-2-72	T	1000	Sk Lv of Abs from 2-2-72 to duration				
2-28-72	T	561	1000-Janitor	488	04.100	561-5220 - 2	
6-28-72	T	1000	Sk Lv of Abs from 6-28-72 to duration				
10-30-72	T	561	1000-Janitor	488	04.100	561-5220 - 3	
1-21-73	T	1000	Sk Lv of Abs from 1-21-73 to duration		04.220		
1-31-73	T	561	1000-Janitor	488	04.220	561-5220 - 2	
2-19-73	T	1000	Sk Lv of Abs from 2-19-73 to duration				
5-7-73	T	561	1000-Janitor	488	04.220	561-5220 - 3	
5-23-73	T	561	1000-Janitor	488	04.220	561-5220 - 3	

DATE	ACTION	DEPT.	CODE AND OCCUPATION	EMP. GROUP	DATE	CLOCK NO. — REASON	REMARKS
4-26-55							
5-24-73	T	1000	Sk Lv of Abs from 5-24-73 to duration				
8-24-73	L/P Mos able to do work available.						
3-25-74	Reinst.	561	1000-Janitor	488	04.820	561-5160 - 2	
4-24-74	Reinst.					571-6663 2	
9-23-74	B				04.960		
4-10-75	T	1000	Sk Lv of Abs from 4-10-75 to duration				
5-29-75	Terminated in accordance with Para. 111B of M.A. on.						
10-13-75	B				05.110		
10-13-75	T	561	1000-Janitor	448	05.110	561-0063 - 2	
9-17-76	T	1000	Sk Lv of Abs from 9-17-76 to duration				
12-6-76	T	561	1000-Janitor	448	05.110	561-0063 - 2	
12-13-76	B				06.550		
3-21-77	T	1000	Sk Lv of Abs from 3-21-77 to duration				
6-27-77	T	561	1000-Janitor	448	06.550	561-0063 - 2	
9-19-77	B				06.250		
10-24-77	T	1000	Sk Lv of Abs from 10-24-77 to duration				

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