

RESUME' OF CASES REPORTED.

1924 to August 30, 1931.

These include all cases in our files on complaints etc
A few General Motors Research Cases
Several of 50 n f Bayway cases
A few Ethyl Gasoline Blending Cases
A few other cases of handling of Ethyl Alcohol

N8009

NUMBER OF CASES.

1924	1925	1926	1927	1928	1929	1930	1931	TOTAL
------	------	------	------	------	------	------	------	-------

3	1	7	11	11	16	20	17	
0		6	9	10	13	17	16	

86

14

72

Thyroid cases

CASES INVESTIGATED

1924	1925	1926	1927	1928	1929	1930	1931	TOTAL
------	------	------	------	------	------	------	------	-------

2	1	4	13	5	8	13	8	
0								

54

52

SPECIAL LABORATORY WORK

1924	1925	1926	1927	1928	1929	1930	1931	TOTAL
------	------	------	------	------	------	------	------	-------

1	0	1	2	2	3	5	3	
0								

17

16

TYPE OF WORK IN WHICH ENGAGED.

	1924	1925	1926	1927	1928	1929	1930	1931	TOTAL
Refinery, Bulk station operator, commission agent, & tank wagon driver.	⁰ (1) <i>Ethyl blend SO. N. J. Bayway</i>	1	² 3 (a) <i>Song of Bayway</i>	⁴ 5 (b) <i>Song of Bayway</i>	4	⁵ 8 (c) (d) <i>Song of Bayway</i>	³ 6 (e) (f) <i>Ethyl blend Exposure</i>	6 <i>Ethyl blend Exposure</i>	34 <u>29</u> 25
Filling and service station attendants.			2	1	4	3	8	6	24
Garage Mechanics			1	3		5 (g)	3	3	15
Gen. Mot. Res. Corporation.	⁰ (2)				⁰ 1 (h)			1 (k)	4 <u>4</u> 0
Private			1	¹ 2 (m) <i>wright field plant</i>	2 (n)		3	1 <i>Ethyl blend Exposure</i>	9 <u>1</u> 8 86 <u>14</u> 72
T O T A L									

- (a) One worker had exposure in 1924 at *SO. N. J. mfg. plant. Ethyl blend.*
- (b) One worker had six weeks' exposure in 1924. Examined in 1927. *Song. Ethyl blend.*
- (c) One worker had exposure in latter part of 1925 and early 1926. *Ex. of Plant*
- (d) One worker had exposure in 1926.
- (e) One worker had onset in 1930, examined in 1931. *Blender of Ethyl Gasoline*
- (f) One worker had exposure in 1925; ill in 1926; examined in 1930. *Song of Bayway*
- (g) One worker was exposed to exhaust gases of Ethyl gasoline in 1924, now five years later has paralysis agitans.
- (h) One worker was employed at Yonkers Laboratory, recovered promptly. *Ethyl blend*
- (k) One worker dates injury to work as electrician in 1924 in G.M. Research Laboratory. *Ethyl blend mfg. exposure*
- (m) One worker was blender of Ethyl gasoline in Army Aviation Corps.
- (n) One worker dates onset of illness to 1925.

CORRESPONDENCE WITH INDIVIDUAL, HIS
EMPLOYER OR PHYSICIAN.

1924	1925	1926	1927	1928	1929	1930	1931	T O T A L
2	0	2	8	9	16	19	17	73

O U T C O M E

	1924	1925	1926	1927	1928	1929	1930	1931	
Died	<i>Spec.</i> 1 - T.B.C. (Autopsy)	0	1-Broncho Pneumonia (Autopsy)	0	1-Cardiac Asthma Co Poisoning.				
	1929		1930	1931					
	1-Purpura Hemorrhagica 1-Monocytic Leukemia 1-Cause unknown		0	1 (?) Acute Parenchy- Metous Nephritis				6 1 (?)	
Recovered	1924	1925	1926	1927	1928	1929	1930	1931	
			1	5	2	2	6	11	27
Still ill	0								
Last cor- respondence	2	1	1 4(?)	3 3(?)	6 2(?)	4 7(?)	2 12(?)	5	24 28(?)

TYPE OF ILLNESS.

	1924	1925	1926	1927	1928	1929	1930	1931	TOT.
Skin diseases; Burns, fungi in- fections, eczemas, chemical der- matitis.				4	6	5	4	6	25
Pyogenic Infect- ions; after intro- duction of Ethyl Gas. in wound.				4	1		6	2	13
Gasoline intox- ications.						4	2	3 1(prob)	9 1-Prob
Carbon monoxide poisoning.					1	3		1	5
Nephritis (all types)						1 (Toxic)		1 (Acute parenchy- matous)	2
Arthritis						1	1	1	3
Upper Respira- tory.			1	1		1	1		4
Teeth & Gums 1 (Claims Pb. poison- ing)						2	1-Abscess 1-Drug		5
Lung Diseases 1 (Tbc) <i>YMC 2/22/31</i>				1 (Broncho Pneumonia)			1-Asthma 1-Pleurisy)Poss.Tbc)	1-Tbc.	5 4

TYPES OF ILLNESS (Continued)

	1924	1925	1926	1927	1928	TOTAL
Eye Injuries			1 (Corneal- Ulcerations)	1 (Irido- cyclitis) 1 (Uveitis) 1 (Serepegenous ulcers)		
	1929		1930	1931		
				3 (Conjunct- ivitis)		7

Neurological & Psychiatric	1924	1925	1926	1927	1928	
			1-Neuritis ✓ 1-Neuro- psycho- pathic	1-Melancholia 1-Paralysis		
	1929		1930	1931		
	1-Psycho- Neurosis 1-Paralysis agitans		1-Encephalitis lethargica 1-Degeneration of corpus striatum and lenticular nuclei. 1-Wrist drop ✓ 1-Foot drop ✓	1-Temp. Gas Intox 1-Peripheral neuritis. ✓		

Heart and Circulatory System.	1924	1925	1926	1927	1928	
					1-Cardiac asthma	
	1929			1930		
	1 (Chr.myocarditis) 1 (Toxic myocarditis)			1-Thrombo- angiitis obliterans		4

Lead Poison- ing	1924	1925	1926	1927	1928	
	0	①	1-Poss.	1(In Recon- struction Hospital in 1924) 1 (Poss)	1 (Poss.) ✓ 1 (Suspected)	
	1929			1930	1931	
	③ (Supposedly injured)			1 (Poss.)		

mut all

SONG

SONG

Neuritis 4

There are only
cases suggesting
if fibrinogen. One
not
suggestion

12

11

4

TYPE OF ILLNESS (Continued)

	1924	1925	1926	1927	1928	1929	1930	1931	TOT.
Liver								1 Hepa- titis.	1
Infection of Tonsils and Adenoids								1	1
Intestinal Stasis			1						1
Monocytic leukemia						1			1
Purpura Hemorrhagica						1			1

	1927	1928	1930	1931	
Questionable	1 Poss. Trichino- sis	1-Lead Poisoning	1-Lead Poison- ing.	1-Prompt recovery no diag- nosis. 1-Periton- itis cause(?)	5

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1924 to August 30, 1931.

NUMBER OF CASES.

1924	1925	1926	1927	1928	1929	1930	1931	T O T A L
3	1	7	11	11	16	20	17	86

CASES INVESTIGATED

1924	1925	1926	1927	1928	1929	1930	1931	T O T A L
2	1	4	13	5	8	13	8	54

SPECIAL LABORATORY WORK

1924	1925	1926	1927	1928	1929	1930	1931	T O T A L
1	0	1	2	2	3	5	3	17

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T O T A L 86

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CORRESPONDENCE WITH INDIVIDUAL, HIS
EMPLOYER OR PHYSICIAN.

1924	1925	1926	1927	1928	1929	1930	1931	TOTAL
3	0	2	8	9	10	19	17	73

O U T C O M E

	1924	1925	1926	1927	1928	1929	1930	1931	
Died	1 - T.B.C. (Autopsy)	0	1-Broncho Pneumonia (Autopsy)	0	1-Cardiac Asthma Co Poisoning.				
	1929		1930	1931					
	1-Purpura Hemorrhagica 1-Monocytic Leukemia 1-Cause unknown		0	1 (?) Acute Parenchy- Metous Nephritis				6 1 (?)	
Recovered	1924	1925	1926	1927	1928	1929	1930	1931	
			1	5	2	2	6	11	37
Still ill									
Last cor- respondence	2	1	1 4(?)	3 3(?)	6 2(?)	4 7(?)	2 12(?)	5	34 28(?)

TYPE OF ILLNESS.

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Skin diseases; Burns, fungi in- fections, eczemas, chemical der- matitis.				4	6	5	4	6	25
Pyogenic Infect- ions; after intro- duction of Ethyl Gas. in wound.				4	1		6	2	13
Gasoline intox- ications.						4	2	3 1(prob)	9 1-Prob
Carbon monoxide poisoning.					1	3		1	5
Nephritis (all types)						1 (Toxic)		1 (Acute parenchy- metous)	2
Arthritis						1	1	1	3
Upper Respira- tory.			1	1		1	1		4
Teeth & Gums 1 (Claims Pb. poison- ing)						2		1-Abscess 1-Drug	5
Lung Diseases 1 (Tbc)			1 (Broncho Pneumonia)					1-Asthma 1-Tbc. 1-Pleurisy)Poss.Tbc)	5

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			1-Neuritis 1-Neuro- psycho- pathic	1-Melancholia 1-Paralysis		
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	1-Psycho- Neurosis 1-Paralysis agitans		1-Encephalitis lethargica 1-Degeneration of corpus striatum and lenticular nuclei. 1-Wrist drop 1-Foot drop	1-Temp. Gas Intox 1-Peripheral neuritis.		12

	1924	1925	1926	1927	1928	
Heart and Circulatory System.					1-Cardiac asthma	
	1929			1930		
	1 (Chr.myocarditis) 1 (Toxic myocarditis)			1-Thrombo- angiitis obliterans		4

	1924	1925	1926	1927	1928	
Lead Poison- ing		1	1-Poss.	1(In Recon- struction Hospital in 1924) 1 (Poss)	1 (Poss.) 1 (Suspected)	
	1929			1930	1931	
	3 (Supposedly injured			1 (Poss.)		

TYPE OF ILLNESS (Continued)

	1924	1925	1926	1927	1928	1929	1930	1931	TOT.
Liver								1 Hepa- titis.	1
Infection of Tonsils and Adenoids								1	1
Intestinal Stasis			1						1
Monocytic Leukemia						1			1
Purpura Hemorrhagica						1			1

	1927	1928	1930	1931	
Questionable	1 Poss. Trichino- sis	1-Lead Poisoning	1-Lead Poison- ing.	1-Prompt recovery no diag- nosis. 1-Periton- itis cause(?)	5

Autopsy.
1) Military T.B.
2) T.B.C. pneumonia.

Possible lead poisoning.	No	No	Gasoline dermatitis.	Recovered promptly.	Company reported this man always susceptible to gasoline.
	Yes	No	Possibly 1) Influenza 2) Trichinosis.	Discharged July 15, 1927. Improving.	Was in Reconstruction Hospital where diagnosis was made.
Possible lead poisoning.	Yes	No	Infection of superficial tissue of left hand and forearm.	Recovered.	
Possible lead poisoning.	No	No	Probably gasoline intoxication.	Recovered.	
Possible lead poisoning. (?)	No	No	Gasoline dermatitis (?)		
Possible lead poisoning. Gasoline as cause.	Yes	Stipple count 15.	Screpege-nous ulcer due to infection after possible gasoline irritation.	Improving.	
Paralysis agitans five years previous to corrsp.	No	No	Paralysis agitans		Suit pending last corrsp. over effect of exhaust of ethyl gasoline suit with Refiners Oil Co.

3/18/31

[REDACTED]
New London, Conn.

Gulf Ref. Co.
Pittsburg, Pa.

Chauffeur

any gasoline
need from over-
head oil; in fill-
ing tank wagon
producing a rash
and swelling.

Adm. Hos.
7/12/27

[REDACTED]
Mt. Vernon, NY

Beacon Oil Co.
employee.

Truck driver.

(?)

12/20/26

[REDACTED]
Charlotte, N.C.

Garage mech-
anic.

Washed hands with
cut in half gal.
Esso ethyl (1/2 cc
to a gal.)

Corrsp.
8/15/30

Cousin of
[REDACTED]
Com. of Motor
Vehicles at
Hartford, Conn.

Sucked ethyl gaso-
line out of tank to
prime car and got
some in his mouth.
Became ill.

Corrsp.
2/19/27

[REDACTED]
Portland, Ore.

Spilled some ethyl
gasoline on gloves
while filling car.
Week later had er-
uption on hand.

Onset
11/12/28

[REDACTED]
Boston, Mass.

Station
attendant.

Agent for
Idle Water
Oil Sales
Corp.

Spilled some ethyl
gasoline in eye (1
drop). Three days
later had ulcers.

Corrsp.
11/2/29

[REDACTED]
Piqua, Ohio

Employee
Howard Miller
Sales and Ser-
vice, Piqua, O.

While working under
a car supposedly
injured by fumes of
exhaust of car ahead
burning refiners
ethyl.

Early onset
or claim

by US

Lab.
Work

Diagnosis

Yes.
Mar 1927

Yes

Mild lead
poisoning.

Despondent
Unable to
work.

Compensated by
state. Still un-
able to work.

Dermatitis due Yes
to ethyl gasoline.

No

1) Dermatitis
(gasoline)
with secon-
dary infec-
tion.
2) Hydrten-
sin and ar-
terio scler-
osis.
3) Chronic
Myocarditis.

Improving.

Dermatitis
caused by
ethyl gaso-
line.

Yes.

Yes.
Tinea
isolated.

Tinea infec-
tion on hands.

Improves
with treat-
ment.

Now being
treated in Cin-
cinnati and im-
proving nicely.

Possible lead
poisoning. At
wrist drop.

yes

Yes.
Normal
finding.

Poliomye-
litis
sharply
localized.

Improv-
ing.

Corrsp. of July
21, 1931 stat-
ed he was im-
proving. 70%
function. Twelve
pounds heavier.

AC 1

Possible lead
poisoning.

yes

No

Hepatitis
and
Cholangitis.

Improv-
ing.

Probably will
recur from
time to time.

Possible lead
poisoning.

No

No

Yes

Yes

Died Jan 1925.
Autopsy:

Date	Name	By Whom Employed	Product used.	Exposure
3/26/24	[REDACTED] Dayton, Ohio	G.M. Chemical Co., Dayton, O.	Ethyl fluid.	Mfg. ethyl fluid and filling containers. Considerable exposure inhalation and skin contact from Mar 18 to Mar 26, 1924.
		<i>No Relation to gasoline</i>		
2/1/30	[REDACTED] Mt. Pleasant, Va.	Proprietor general store and filling station.	Ethyl and regular gasoline.	Total of (100) gals daily. About half ethyl gasoline. Hands wet with ethyl about twice daily.
5/28	[REDACTED] Lebanon, Ohio	Garage and service station proprietor.	Loreco ethyl.	Washed hands in ethyl gasoline.
Onset 9/2/30	[REDACTED]	Filling station attendant for Standard Oil Co. at Akron, Ohio.	Sohio ethyl.	Sohio ethyl for three months occasionally greasing a car. (once daily) Back to work April 1930 until onset. Hands and feet better at time. Used 60% ethyl (50,000) gals per month. Nozzles leaked.
Onset 11/30	[REDACTED]	Commission agent Standard Oil Co, Ky., since 1921.	Handles ethyl gasoline and regular gasoline. About 2,000 gals per month. Unloading tank cars, filling wagons and making deliveries for the past ten years.	Spilled some ethyl gasoline on hands.
Onset 3/7/29	[REDACTED]	Sawyer Auto Sales Co., Harrisburg, Pa.		Swallowed some ethyl gasoline in sucking tube to syphon same.

Date	Name	By Whom Employed	Product Used	Exposure
1/30	[REDACTED] Keyser, W. Va.	Employee of Atlantic Ref. Co. handling finished gaso- line. Chauffeur delivering gaso- line.	Atlantic pro- ducts includ- ing ethyl gasoline.	as chauffeur delivering gasoline.
9/13/30	[REDACTED] Baytown, Tex	Employee of Humble Oil and Ref. Co. Baytown, Tex.	Blender of ethyl gaso- line.	Blended ethyl gasoline once monthly taking usual precaut- ions (drum type)
Onset approx 1/28/31	[REDACTED] Baytown, Tex	Employee Humble Oil and Ref. Co. Baytown, Tex	Laboratory worker.	Runs tests on ethyl-gasoline in laboratory.
Corresp 2/26/31	[REDACTED] Camden, NJ	Employee of Gulf Ref. Co. (Station attend- ent)	Ethyl gasoline (Gulf products, work.	in filling station
Corresp 11/29/27	[REDACTED] St. Louis, Mo	Standard Oil Co employee		(?)
Corresp 4/30/29 Onset about 11/1/28✓	[REDACTED] Miami, Ariz	Employee of Union Oil Co Miami, Ariz	handles Union ethyl gaso- line	In handling ethyl gasoline (approx 500 gals per mont from Feb to Nov 1928.
5/8/31	[REDACTED] Topsfield, Mass	Assist. foreman on country es- tate of Major Patton, U.S.A.	Gulf-Nonox ethyl gaso- line	To exhaust of law mower from (4-6) hours using about (4-5) quarts of ethyl gasoline. O set after about () quarts.
11/1/31	[REDACTED] Cleveland, O.	Sun Oil Co. employee since	installs pumps in filling	Spills ethyl gaso line on hands onc

ly Diagnosis r Claim	Investigated by us	Extra Lab work	Final Diagnosis	Outcome	Notes
upational matitis due ethyl gaso- e (either or lead;	No	No		Improv- ing	Hot gasoline on hands and irritated skin on buttocks in rubbing same.
Arthritis oulder, (rt) at deltoid akness possi- due to lead poisoning.	yes	Yes	1. Arthritis rt shoulder 2. Neuritis 3. Pyorrhea all teeth	Improv- er. Back at work when tooth extracted.	Patient had draining abscess (apical) on gum when examined. Hospital chart showed accute infection of rt shoulder with fever, swelling and redness. X- ray showed defini- ite arthritis.
	NO Examin- ed in Houston	NO	1 Infect- ed tonsils and adenoids 2 flare up of old tuber- culosis.		Now being treat- ed for tuber- culosis.
ad pois- ing(?)	No	No		Back at work in few days recover- ed.	Correspondence with company states that he promptly recov- ered and appar- ently had some other illness.
ad as ause of kin dis- ase.	yes	NO	Pompholyx		Seen by der- matologist who diagnosed the fungus.
possibility f lead pois- ning.	No	NO	1. Chr ear- con monoxide poisoning.	Improv- ed.	Patient went to Mayo's Clinic where diagnosis was made. Probably highly suscep- tible.
ad poison- ing.	Yes	Yes Blood analysis normal Smears normal	1. Gasoline intoxicat- ion. 2. Possible carbon mon- oxide pois- ining.	Recover- ed.	Very hot, still day with exhaust directed toward patient.
Peripheral arthritis due	yes	Stippled	1 Probable	Recover-	this patient did

KE 0010708

Apr 30, 1930

stations. Total time work-
gular and ethyl ing for this co-
pumps. (Ethyl of other co- pany six months.
panies).

Onset illness 12/20/25 Corrsp 12/28/28	[REDACTED] Kansas City, Mo	(?)	Red Crown ethyl	Spilled gasoline (ethyl) on hand one time while adjusting carbure- tor then put on mittens.
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1925

Corrsp 11/26/26	[REDACTED] Pittsburg, Pa.	Atlantic Ref. Co. employee	(?)	Spilled ethyl line in eyes.
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2/1/31	[REDACTED] Cincinnati, O.	Pure Oil Co. Station at em- dent.	Regular and ethyl gaso- line and usual products.	Rubbed skin eru- tion on his shou- lders and back w- hand causing in- fection.
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7/23/29	[REDACTED] Ticonderoga, NY	Garage mech- anic		Worked in garage with motors run- ning. Contact with products of combustion of various gasoline
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Corrsp 1/29	[REDACTED] Bayway, NJ	Standard Oil Co (New Jersey) em- ployee.	Ethyl gaso- line.	Exposure occurred at Bayway plant in 1926 in repair- ing pumps. Handling a shafting used mfg tetra ethyl lead.
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Corrsp 1/29	[REDACTED]	Standard Oil Co (New Jersey) employees.	Ethyl gaso- line.	Exposure latter part of 1925 and Spring and Fall 1926. Worked on tank car and was leading rack. Also repaired pumps and moved mate- rials.
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KE 0010709

line. (Folding)

tion,

work in but gave a h
Jan 1931. suggesting ga
line intoxica
tion.

skin poisoning No
contaminating of
hands,
general constit-
utional symptoms

No

Probably gaso
line burns.
Apparently fr
Dec 1925 to I
1928 patient
not been well
which he attr
butes to the
contact with
ethyl gasolin

skin rashes No
ethyl

No

No

Clearing
up with
treatment.

Acne
on face
caused by
ethyl

yes

No

Acne
shoulders
and back.

Recover-
ed. b
c.

Apparently ru
ing acne with
oily dirty ha
accounted for
infection.

Myocardial
infarction
ethyl
poisoning
previous
history

No

No

In bed
last
corresp-
ondence

Carbon monoxi
poisoning fro
history. Over
come several
times and un-
conscious abo
six months pr
vious to pre-
sent onset.

Lead poisoning

Exposure here
formally to
ethyl gasolin

Lead poisoning

f

n

Date	Name	By Whom Employed	Product Used	Exposure
8/10/28	[REDACTED] Selinsgrove, Pa	Salesman	Ethyl Gasoline	Spilled some gasoline (ethyl) on leg while having tank filled.
2/14/29	[REDACTED] Cincinnati, O	Standard Oil (Ohio). Filling station attendant. Employed since Jan 9, 1929	Sohio ethyl and other products.	Occasionally while working at station.
10/24 Corresp 10/4/28	[REDACTED] Somerville, NJ	Standard Oil Co (N.J.) employee-in mfg plant of ethyl fluid.		In various jobs as cleaning auto clothes and steam rack etc.
10/18/28	[REDACTED] Boston, Mass.	Jenny Mfg, Co. Boston, Mass. Tank wagon driver.	Ethyl gasoline.	
2/15/29	[REDACTED] Allegan, Mich	Standard Oil Co. (Ind). Grand Rapids, Mich. Tank wagon driver for five years.	Ethyl gasoline	Got some ethyl gasoline in cracks of hand which became burned.
4/15/31	[REDACTED] Findlay, Ohio	National Ref. Co. Findlay Ohio employee.	Laboratory worker handling ethyl gasoline,	Ran few distillations of ethyl gasoline.

Early Diagnosis or Claim	Investigated by us.	Extra Lab. work	Final Diagnosis	Outcome	Notes
Infection due to ethyl gasoline.	yes	No	Probably gasoline burn with subse- quent infec- tion.		Wanted dam- ages for doctor bill and time from work.
Died Feb. 29, 1929 Purpura hem- orrhagica. Secondary anemia.	No	No			This patient worked slightly over a month. On examination at time of em- ployment he had chronic heart disease and was rejected.
Lead poison- ing.	No	No	Diagnosis of consulting physician. 1. Chr intest- inal stasis. 2. Upper res- piratory in- fection (right antra) 3. Psychopathic case.		Examining phy- sician found no evidence of lead absorption.
Died. Lead pois- oning?)	No	No	Diagnosis of Boston City Hospital. 1. Acute Monocytic- leukemia. 2. Oral sep- sis.		Suit for com- pensation dis- missed.
	No	No	Died. (cause?)		Family phy- sician and consulting physicians de- cided lead did not contribute to this patient's illness.
Peritonitis (lead?)	yes	No	Periton- itis. (Ruptured viscus?)	Recov- ered.	Illness ran vague course. Remote question in attending physicians minds as to whether lead was cause. No findings of lead absorption

3/31/27

Lion Ref. Co.
El Dorado, Ark.
employee

Ethyl gaso-
line.

Shortly before
illness he un-
capped four tank
cars used to
transport ethyl
gasoline.

4/27

[REDACTED]
Atlanta, Ga.

Standard Oil
Co. (Ky) Louis-
ville, Ky. em-
ployee. Tank
wagon driver
since company
has sold
ethyl gasoline.

Ethyl Gaso-
line.

(?)

8/17/28

[REDACTED]
Dallas, Tex.

Christian-Ru-
gatt Co.
Dallas, Tex.

Filling stat-
ion attendant.

To (100-150) gal.
of ethyl and like
amount regular
gasoline in (12)
hour shift. No
spillage.

Corrsp
4/24/30

[REDACTED]
New York, N.Y.

Beacon Oil Co.
New York, NY

Filling sta-
tion atten-
dent.

(?)

6/1/30

[REDACTED]
St. Louis Mo.

Standard Oil Co. Filling stat-
of Ind. employee. ion attendant.

Exposure not know.

Corrsp
4/23

[REDACTED]
[REDACTED]

Imperial Oil Ltd. Laboratory
Sarnia, Ont. worker.

Worker only with
ethyl gasoline
(length and type
not known).

Illness
Fall
1929

[REDACTED]
Lynn, Mass

Garage mech-
anic.

Usual work.

Claims to have
gotten deposit
from valves in
a cut on hand.

Illness
Approx
June to
Dec '24

[REDACTED]
Winston-Salem
N.C.

Garage repair-
man Standard
Oil Co of N.J.

From June to Dec.
1924 worked with
small mixing met-
ers and small can
of ethyl fluid.

Examined 1927

was cause. No findings of lead absorpti

(?)	Seen by company district manager.	No	(?)	Applying to company for total and permanent disability. Does not claim lead as cause of illness.
1) Lead poisoning (by personal physician) 2) Ch. endocarditis. Anxiety neurosis.	Yes	Urine and blood normal. Stipple cells one.	Toxic Psychoneurosis. 2) Toxic Myocarditis. 3) Toxic Nephritis.	No evidence of lead absorption.
1) Rheumatic Arthritis. 2) Dermatitis (due to lead)	Yes	No	1) Derm. Venenata (chemical). 2) Infect. arthritis. 3) Bi. Lat. pytergia. 4) Gingivitis.	Began employment Oct 10, 1928. Became ill a week later.
1) Gasoline burns. 2) Suspected lead poisoning.	No	No		No reply to our letter.
Possible lead poisoning.	Yes	No	1) Encephalitis lethargica. 2) Acute left frontal sinusitis. 3) Indirect Ing. Hernia.	Gradual recovery No evidence of lead poisoning.
Suspected lead poisoning.				Apparent recovery. Always sick. Thought to be a malingerer.
Suspected lead poisoning.	No	No		No reply to correspondence
Disability from lead poisoning.	Yes	No		Suit for damages pending last correspondence

Date	Name	By Whom Employed	Product Used	Exposure
Exam 7/15/30	[REDACTED] St. Louis, Mo.	Employee La Clede Gas Light Co.		working around ethyl gasoline.
About 7/23/28	[REDACTED] Decatur, Ala.	Clerk Standard Oil Co., Ky.		Splashed some ethyl gasoline in right eye.
8/18/31	[REDACTED] Jersey City, N.J.	Station atten- dent.		Cut finger and cla to have gotten eth fluid in it causin infection. His Doc attributes same to ethyl.
Corresp. 11/15/27	[REDACTED] Hornell, N.Y.	Mechanic in Coogan's Buick Garage. Hornell N.Y.	Used Walburns ethyl gasoline.	hand injured handl ing ethyl gasoline
8/23/30	[REDACTED] Cleveland, Okla	Employee John- son Oil and Ref. Co. Cleveland, Okla.		After five days washing tank that had contained ethyl fluid entered same to rejoin a line. Became ill that af- ter-noon.
Corresp. 11/15/29	[REDACTED] Mobile, Ala.	Employee Standard Oil Co., Ky. Garage mechanic.		While under tank g (3-5) drops of ethyl gasoline in his ear flushed to otologist
About 9/1/29	[REDACTED] Gravelburg Sask., Canada.	Employee British American Co.		Transferred gasolin from tank car to di on (3-4) occasions intervals of three weeks. On second o asion of filling di became weak and on third ill. Two Doc diagnosed lead poi ing. (Developed neu logica finding in arms.
Acci 6/17/31	[REDACTED] Cincinnati, Ohio	Filling station attendant (his own).		Spilled ethyl gaso on bandaged foot an arm.
Corresp. 1/4/28	[REDACTED] Fairmont, W. Va.	Patton Henry Co. employee.		Developed skin irra tion of face and a shortly after begin ing work with ethyl gasoline

Early Diagnosis or Claim	Investigated by US	Extra. Lab Work	Final Diagnosis	Outcome	Note
Lead poisoning.	yes		1)Pleurisy 2) Possible T.B.C.		
ethyl injury to eye due to ethyl gasoline.	yes	No	Uveitis	Improved after pro- per treat- ment.	Seen by o- tent eye Birmingham
claims infection due to ethyl ethyl gas. sing doctor to	No	No	Probably local in- fection.	Re covered. e	
ad- infection due to ne. lead poisoning. (his physician's diagnosis).	No	No	(?)	(?)	No reply our corre- dence.
t Possible lead ethyl poisoning.	No	No	Probably gasoline intoxica- tion.	Recover- ing satis- factorily.	Correspon- with his sician.
got Drum and ear ethyl irritated.	No	No	Gasoline dermatitis.	Recovered.	
line drums as at ee onc- drums on doctors pison- micro-	yes		1)Gasoline intoxication. 2) Possible lead poison- ing.		Came to C cinnati an thourthly ed up in hospital.
oline Burn due to spill- and age of ethyl gaso- line on foot band- aged for gout.	Yes	No	Dermatitis venenata	Re covered.	
ra- arms inn-	Yes		Exam. for fungus and found pre-	Fungus in- fection.	

on Highway U.S.16
near Cooperville,
Mich.

ethyl gasoline.
also near ethyl
gasoline tanks.

Acci.
11/8/26



Atlantic Ref.Co Ethyl gaso-
line.

Splashed ethyl g
oline on cheek a
temple. Washed i
off immediately.
Next A.M. small
blister appeared
which has not co
pletely healed i
six months.

Onset
11/4/26

Great Falls, M
ontana.

Gasoline was use
to clean coat of
baby's which had
a small amount o
ethyl gasoline i
it when worn.

Onset
11/23/26

Wellesley, Mass

Filling sta-
tion attendant
for Mr. J.A.
Brown. Col.
Beacon Oil Co.

Worked at statio
about ten weeks
before death.

ness.

1)Cardiac
asthma.
2)Contrib
Carbon Mo-
noxide in-
halation.
kegon, Mich.
Doctors agreed
ethyl gasoline
not cause.

Burn due to ethyl gasoline.	yes	No	Chr. derma- titis cause (?)
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Apparently wore coat while damp. Back blistered. Lead Poisoning.	No	No	Recover- ed.	Gasoline used was from tank containing (5) gals. of regula gasoline mixed with small amount of ethyl
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Question at time of death whether ethyl gasoline was cause.	Yes	No	1)Influenza 2)Bron.pneu- monia	Died Nov 30, 1926. Aray proved diag- nosis.
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Date	Name	By Whom Employed	Product Used	Exposure
8/23/29	[REDACTED]	Standard Oil Co. (Ohio) Used as an emergency truck driver during Nation air races.	"Sohio aviation ethyl	Loaded a total of four truck wagons of aviation ethyl and six of regular gasoline for air races. worked over tanks of vaporized gasoline and possibly there was some contact of hands and face
Corrsp. 5/29/31	[REDACTED] Dayton, Ohio	Was working in Gen. Motors Res. Lab. seven years ago as an electrician from which time he dates illness.		
4/8/31	[REDACTED] Cincinnati, O	Garage mechanic	Dispenses regular and ethyl gasoline	Spilled ethyl gasoline on foot two years before onset of present condition
Corrsp. 2/12/29	[REDACTED] Abilene, Tex.	Station attendant. Christian Fargatt.	Dispenses products and repairs tires. (Repairs tires most of time).	In dispensing products.
Corrsp. 2/12/29	No name Abilene Tex (?)	Conoco bulk plant		
Corrsp. 5/17/30	[REDACTED] Jamestown, N.Y.	Independent station attendant.	Dispenses gasoline	Splashed ethyl gasoline in both eyes in draining gasoline tank.
Corrsp.	[REDACTED]	Filling station	Dispenses re-	Hands covered with

KE 0010719

Early Diagnosis or Claim	Investigated by Us	Extra Lab. Work	Final Diagnosis	Outcome	Notes
Burns Dermatitis due to picrate ointment used in treatment.	Yes 9/6/29		Dermatitis due to gasoline and gaso- line vapors.	Improv- ing nicely last corrsp.	It is our impression dermatitis was due to gasoline and not the pic- rate ointment used in treat- ment.
Chronic lead poisoning					Notes show that he should have had most of teeth ex- tracted at time of em- ploym.
Burns and infection of foot. 2 Eczema of face.	Yes 4/8/31	None	Eczema of face.	Improves during summer.	Patient had immediate injury of foot and recovered. Thought spill- ing of gaso- line on foot two years pre- viously might have caused present eczema of face.
Skin irra- diation. (Fore- arm).	No	No		Clears up with treat- ment.	Has sensitive skin. Carries tires on arms.
Skin irra- diation. (hands)	No	No		Clears up with treat- ment.	
Question of ethyl gaso- line causing eye trouble.	Yes		Tubercu- lar irido- cyclitis and keratitis.	Blind left eye. Rt. improving.	Did not see Doctor for two months after acci- dent. Number of eye specia- lists agree on diagnosis.

	Camden, Pa.	two and one-half months.	times due to a faulty hose connection.	
29	[REDACTED] Gahanna, Ohio	Wife of owner of filling station.	Dispenses Refiners products and ethyl gasoline.	Leakage from poor connections on underground tanks apparently from time of installation in early 1929 to July 1930. Leaking into nearby well.
30	[REDACTED] Daytona Beach Florida	Garage mechanic	Reg. and ethyl gasoline	Washed hands with laceration in ethyl gasoline. Also washed parts in ethyl gasoline.
31	[REDACTED] Water, Pa	Supt of bulk station of Shipewa Oil Co.	Usual products including ethyl gasoline.	Wrench slipped injuring hand in tightening union on a tank car of ethyl gasoline.
32	[REDACTED] Wayway (?) N.J.	Standard Oil Co of New Jersey	Manufacturing (?)	Exposure in 1925

of feces Chr.lead(?) ery. -
and urine
Wass-neg.
Blood work
normal.

Poisoning due to ethyl gasoline.	Yes 1/2/30	Yes Water in well exam Dec 11 1929. Two samples before and after pumping. No lead. Gasoline present not more than 20 cc per gal.	Gasoline intoxication (from drinking water)	Improving
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Infection due to lead or metallic poisoning.	No	No		Improving
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Pyogenic infection of hand (lead contributing)	Yes	No	Pyogenic infection of hand.	Improving	Some question in local doctor's mind as to lead being a contributing factor.
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Lead poisoning in 1926	Yes 12/16/30	Yes	Destructive lesions of lenticular nuclei and corpus striatum. Cause: Lead (?) Toxic (?)		In Reconstruction hospital in 1926 with fairly definite lead poisoning.
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Name	By Whom Employed	Product Used	Exposure
31 [REDACTED] Carlinsville, Ill	Independent Service station for three years.	Conoco Products incl Ethyl gasoline.	Usual filling station work for past three years with oils, greases and gasolines. Noticed skin lesions hands in past six months. Lead exposure only in ethyl gasoline.
30 [REDACTED] Schnectady, N.Y.	Filling station attendant Colonial-Beacon Oil Co. Length of time not known.	Regular and Ethyl gasoline and usual products.	Length and type not known.
12/27 [REDACTED] Va.	Blending Ethyl gasoline for U.S.A. Oil Corp.	Drum type installation. Exposure not known excepting he blended two days prior to onset illness. Also blended recently in past.	Paralysis rt cheek
rrsp 20/30 Son of Mrs [REDACTED] Blawnox, Pa		Ethyl Gasoline	While driving car it overturned spilling ethyl gasoline on son's back blistering same.
20/30 [REDACTED] Maplewood, Mo.	Filling station attendant. Natl Ref Co. 15 Months Texas Co. 14 months Magnolia Petrol 10 months. Cities Service short time.	Usual Products. Ethyl gasoline part of time.	Cut finger with a knife on Sept 20, 1930. Spilled ethyl gasoline on cut finger on Sept 22 or 23. Finger then ulcerated as did left foot. Patient quit work and went to Barnes Hospital, St. Louis Mo.
rrsp /28/30 [REDACTED]	Commission agent of Imperial Oil, Ltd., MacGregor Man. from June 3, 1925 to Oct. 31, 1929.	Products of Imperial Oil, Ltd.	Exposure or contact with ethyl gasoline not known.

Early Diagnosis Investigated or Claim	by Us	Extra Lab. Work	Final Diag- nosis	Outcome	Notes
Eczema	No	No			Being treated at this time by his physician.
Supposedly told by dentist lead caused teeth to be affected.	No	No	Diseased teeth due to a drug patient was taking.		In correspondence with dentist he denied he lead caused pathology. State to a drug patient was taking at time.
	No	No			Officers in charge wanted information regarding ill effects of absorbing ethyl fluid.
Burns of back due to ethyl gasoline	No	No		Healed satisfactorily	
Lead absorption as cause of condition.	No	No	Diagnosis of Barnes Hospital physician Thrombo-Angiitis obliterans.	Patient still in hospital at last correspondence.	Exposure total of three years at intervals and handling ethyl gasoline only part of this time.
			Typical case of Thrombo Angitis Obliterans w/ Buerger's Disease. used by Kuhn		
Lead poisoning diagnosed at Mayo's Clinic.	No	No		Improved.	This patient has had asthma very badly since 1926 which caused him to quit work and go to

8/27	[REDACTED] Charlotte, N.J.	Garage mechanic	Washed auto parts in ethyl gasoline.	Infected hand which became worse and thought due to handling ethyl "Esso".	
8/27	[REDACTED] Charlotte, N.J.	Garage mechanic	Handles and sells "Esso" ethyl.	Washed hands in half gallon of Esso for 10-15 mins, and wiped dry. Cut on finger became infected necessitating his being from work a short time.	
12/28/24	[REDACTED] Bayway, N.J. <i>in Bayway, N.J.</i>	Standard Oil Co of N.J. from Sept 19, 1924 to Oct. 28, 1924 in lead ethyl mfg. plant.	Manufactured lead tetra ethyl	Worked pumping ethyl chloride as a shift breaker. Exact exposure not known. Could smell odor of ethyl fluid.	
30	[REDACTED] Baytown, Tex.	Humble Oil and Ref Co. employee. Worked in laboratory from Aug 1929 until Feb 20, 1931.	Humble Oil and Ref. Co. products.	Only in running Engler distillations from May 1930 to Feb. 9, 1931. A total of 75 samples (100 cc each) of ethyl gasoline. All under hood with exhaust fan.	
2/28	[REDACTED] Yonkers, N.Y.	At Yonkers Laboratory. Yonkers, N.Y.	Dilute ethyl fluid used in testing in engine room.	Previous fall spilled some dilute fluid on hand. Length of time working not known from correspondence. Only other exposure would be vapors etc. Ventilation good.	

ining in an
way with his
work for Impe
ial Oil, Ltd.

infected hand.	Would not per- mit exam.	No	Infect- ed hand.	Improv- ing and to return to work soon.	In this case the one follow- ing the quest of lead poisi ing did not e but rather w her or not "e ethyl did not contain some- thing irritat to the skin.
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infected finger after wash- ing in "Esso".	Yes	No	Infect- ed fing- er	Recover- ed and back to work in three weeks.
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Lead pois- oning. Diagnosis at Recon- struction Hospital.	Yes April 16 1927	Yes Stipple cells none.	No symptoms on last exam direct- ly due to lead.	Improv- ed.	Suit pending last corres- pondence.
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Acute nephritis due to lead absorption.	Yes	Stipple cells none.	Acute par- enchymetous nephritis (bacterial origin pro- bably in ton- sils).	Not known Condition was criti- cal when seen.	Gave definite history of pharyngitis (2-3) days be- fore onset. Infected tonsil for years ac- cording to fa- physician.
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Early lead poisoning				Last corresp on vaca- tion. To return soon to work	Diagnosis ma- entirely on symptoms and no laborator or blood wor done.
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