

Name:

Material: Blood

Submitted: 9-3-53 by Dr. P. K. Tisdale, Imperial Oil Limited
Refinery, Winnipeg, Manitoba, Canada

Required: Lead Analysis

BLOOD

Analysis Number	- 53A-6775	
	<u>Spectrographic</u>	<u>Dithizone</u>
Grams	- 16.3	17.5
Mg. Pb/100 Grams	- 0.06	0.045

The results of these analyses are virtually identical with those obtained on June 30, 1953, as was to be expected from the fact that the earlier results gave no evidence of any abnormal or unusual absorption of lead, on the part of this man, in any recent period of months.

Signed:

Robert A. Kehoe
Robert A. Kehoe, M. D.

N13229

Sample Collected: 8-20-53
10:00 A.M.
Sample Received: 9-3-53



IMPERIAL OIL LIMITED

WINNIPEG, MANITOBA

MANITOBA MARKETING DIVISION

C. A. ROBINSON
DIVISION MANAGER
R. N. BUBBS
SALES MANAGER

Health Centre,
August 21, 1953.

Lester W. Sanders, M.D.
The Kettering Laboratory,
College of Medicine ,
Eden Avenue,
Cincinnati 19, Ohio.

Dear Dr. Sanders:

Re: [REDACTED]
165 Imperial Avenue,
St. Vital, Manitoba.

We are enclosing two blood samples taken on the above name mentioned. These were taken August 20, 1953 at 10 A.M.. Dr. Paul Tisdale would very much like to have them tested for lead content - repeat after two weeks diminished contact. Thank you very much.

Yours very truly,

Jacqueline Laurendeau

J.L./jg.

Jacqueline Laurendeau, R.N.

KE 0012382

N13229.01

COPY

IMPERIAL OIL LIMITED
Winnipeg, Manitoba

Health Center
July 10, 1953

Dr. Lester W. Sanders
The Kettering Laboratory
College of Medicine
Eden Avenue
Cincinnati 19, Ohio

Dear Doctor Sanders:

Thank you for your letter of 8 July, 1953, with the accompanying results of lead analyses on samples of urine and blood on Messrs. [REDACTED], [REDACTED] and [REDACTED]. I find that my records do not reveal any more specific reason for the sampling than your records, but I do recall the circumstances under which it was decided to send you these samples. I was somewhat concerned regarding the possibility of toxic exposure of Mr. [REDACTED] to Aviation Petrol. He is the Mechanic at our office at the Airport and as such is frequently working on the Pumping Mechanisms in the tank trucks and in addition to this exposure to Aviation Petrol, he was in the habit of using this Petrol as a cleansing agent for small parts, etc. It is estimated prior to correction of the situation, this man's hands were in contact with the Aviation Petrol, 50 - 75% of his working time. Blood smears taken and examined locally in the laboratory of Dr. O. C. Trainor, showed some stippling. Urinary lead determination done at Esso Laboratories showed a border line high (0.107 mg. Pb/Liter) lead content. This situation was discussed with you at the time of your visit to Winnipeg about September, 1952, and at that time, you offered to have the above estimations performed on [REDACTED] and suggested that you send containers for similar estimations to be done on our TEL exposed employees at the Winnipeg Refinery. These samples submitted on Messrs. [REDACTED] and [REDACTED] were therefore in the nature of routine surveillance samples.

I am indeed sorry I was unable to meet you on your last visit here and would like to do so on your next or some future visit if you have the time available.

Yours very truly,

PKT/Jg

/s/ P. K. Tisdale, M.D.

KE 0012683

N13229.02

July 8, 1953

Dr. P. K. Tisdale
Imperial Oil Limited
Winnipeg, Manitoba, Canada

Dear Doctor Tisdale:

I have a copy of a letter written to you by my secretary, Mrs. Rahe, on June 18, written at my request and stating that the results of lead analyses on samples of urine and blood on the four men, [REDACTED] and [REDACTED] were inconsequential. I am now enclosing the actual results of these analyses and also the results on the urine and blood of a Mr. [REDACTED], which were reported at a later date. The results on Mr. [REDACTED] were also not significant and would indicate that there had been no recent occupational exposure of any significance.

It seems to me that I did know at one time the specific reason for these samples being submitted, but I have not been able to find any notation of that reason, nor can I remember specifically what the reason was. We would like to know for our records if these samples are submitted only as a routine check on the men who have some possibility of lead absorption or whether there was for some reason or other a knowledge of some possibility of an actual exposure.

We are very glad to run the samples in any event, but are always interested in the specific reason for the analyses.

Very truly yours,

LWS:vr

Lester W. Sanders, M.D.

Encl. - 2

cc - Dr. R. A. Kehoe

KE 0012684

N13229.03

Source: Employees of Imperial Oil Limited Refinery, Winnipeg, Manitoba, Canada
 Material: Urine and Blood
 Submitted: 6-11-53 by Dr. P. K. Tisdale
 Required: Lead Analyses

Name	URINE					BLOOD			
	Analysis Number	Volume ml.	Specific Gravity	Mg. Pb/Liter	Analysis Number	Spectrographic		Dithizone	
						Weight Grams	Mg. Pb/100 g.	Weight Grams	Mg. Pb/100 g.
[REDACTED]	53A-4540	121	1.017	0.05	53A-4541	19.0	0.02	*	0.025
[REDACTED]	53A-4542	87	1.027	0.05	53A-4543	17.7	0.04	20.0	0.02
[REDACTED]	53A-4544	135	1.020	0.03	53A-4545	18.3	0.03	18.4	0.02
[REDACTED]	53A-4546	119	1.002	0.02	53A-4547	16.4	0.03	*	0.02

* One tube; both analyses run from the same sample.

The levels of lead concentration in all of these samples of blood and urine are well within normal limits. These men have not absorbed lead from occupational sources during recent months.

Samples Collected: 5-16, 22, 27-53
 Samples Received: 6-11-53
 Samples Reported: 6-18-53

Signed: Robert A. Kehoe
 Robert A. Kehoe, M. D.

Name: [REDACTED]
Material: Urine and Blood
Submitted: 6-25-53 by Dr. P. K. Tisdale, Imperial Oil Limited
Refinery, Winnipeg, Manitoba, Canada
Required: Lead Analyses

URINE

Analysis Number	- 53A-4907
Volume	- 59 ml.
Specific Gravity	- 1.023
Mg. Pb/Liter	- 0.03

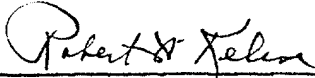
BLOOD

Analysis Number	- 53A-4908
Weight	- 17.6 Grams
Mg. Pb/100 Grams	- 0.06 (Spectrographic)
Mg. Pb/100 Grams	- 0.045 (Dithizone)

The concentration of lead in the blood is within normal limits, giving no indication of any recent significant occupational exposure to lead.

The urinary lead concentration is also normal, the volume of the sample being somewhat lower than the optimum for yielding a representative result.

Signed: _____


Robert A. Kehoe, M. D.

N13229.05

KE 0012386

Samples Collected: 6-11-53 - 11:45 A.M.
Samples Received: 6-25-53
Samples Reported: 6-30-53

REQUEST FOR STUDIES AT KETTERING LABORATORY

Name [REDACTED]
Address 165 Imperial Ave. St. Vital
Request by
Imperial Oil Refinery
Box 836 East. St. Paul, Man.
History Dr. P.K. Tisdale

Color Sex M Age S M W D
X

Hospital #

Date June 11/53. 11.45a

Physical

Laboratory

Impression

Treatment

Studies Desired

Lead content tested.

KE 0012687

N13229.06