

The determination of lead (organic and inorganic) in a deposit scraped from a section of 6" pipe taken from a tank car loading rack line. The line is used with "Red Crown" (Q) gasoline at the Casper, Wyoming, refinery of the Standard Oil Company of Indiana. The plant chemist reported 2.86% lead.

Analysis Number	= 40A-3937
Material Employed	= 0.584 grams
Organic Lead found	= 0.34 mgs
% Organic Lead	= 0.006
Inorganic Lead found	= 44.0 mgs
% Inorganic Lead	= 7.58

Sample Received: 11-12-40

Sample Reported: 11-19-40

LABORATORY OF APPLIED PHYSIOLOGY

UNIVERSITY OF CINCINNATI

COLLEGE OF MEDICINE

ANALYSIS NUMBER 40A-3937

DATE COLLECTED

DATE RECEIVED NOV 12 1940

DATE REPORTED

DESCRIPTION OF SAMPLE Deposit from section of 6" pipe taken from "Red Crown" (Q) tank car loading rack line

SOURCE OF SAMPLE Standard Oil Co. of Indiana 2.86% Pt reports by Refinery Chemist
Casper, Wyoming

REMARKS Submitted by: John L. Cole
1828 E. Second St.
Casper, Wyoming

REQUIRED Pb detrm. { Organic
{ Inorganic

RESULTS

Sample (dried) = .584

Mgs Pb in xylol-alcohol extraction = 0.34 mgs 0.00034 gms

Organic Pb = 0.006 %

Mgs Pb in nitric acid extraction = 44.0 mgs 0.044 gms

Inorganic Pb = 7.58 %

(1M)

KE 0022308