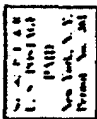


NOTICE: if the film image is less clear than this notice, it is due to the quality of the document being filmed

00057

114116

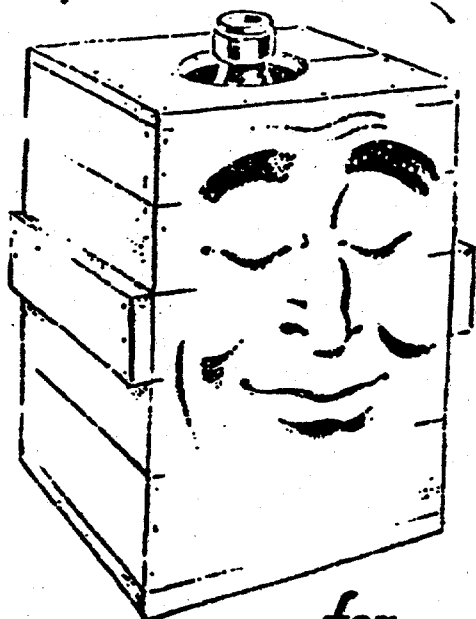
263



aren't Angels

NOTICE: If the film image
is less clear than this
notice, it is due to the
quality of the document
being filmed

but even
TOUGH *ones behave better*



for
TELLURIUM LEAD

00057

NLI 114117

NOTICE: If the film image
is less clear than this
notice, it is due to the
quality of the document
being filmed

but even
TOUGH *ones behave better*



for
TELLURIUM LEAD

00057

NLI 114118

8637

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

00057

NLI 114119

TELLURIUM LEAD IS AN "Acid-Tamer"

UNDER MECHANICAL STRESS

Lead attack, accompanied by mechanical stress, is another trouble making combination for those of equipment. Various usually available materials are not a sure source of stress resistance, and only under stress, Tellurium Lead equipment has shown a marked resistance to failure under the so-called "stress resistance."

Indubitably, our explanation may be found in the smooth surface of Tellurium Lead - a smooth finish of fine, uniform grain structure, surface smoothness which is obtained during and lead resistance.

Probably another contributing factor is Tellurium Lead's ability to resist the surface cracking which occurs, by corrosion. Tellurium Lead prevents a weak link because it is strengthened by stress.

a Lead that WORK-HARDENS

When tested, hardened, stretched, shaken, Tellurium Lead for many long and shorter, instead of broken.

The reason is - Tellurium Lead work hardens. It increases its tensile strength when stressed. In short, it actually takes mechanical failure.

Here are a few of the ways this unique property may add to the life of your handling equipment:

A Tellurium Lead bearing will also withstand wear and tear, under pressure is strengthened by working. A Tellurium Lead tank lining, when under stress, is hardened and toughened in the top and bottom. A Tellurium Lead pipe line, subject to hammer, tends to become more flexible rather than brittle.

TRY IT IN YOUR PLANT

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

AT HIGH TEMPERATURES

The machine which works at high temperatures requires a more acid attack than is available. It is up to trouble, for chemical reactions.

When and when, Tellurium Lead pipe, tank, and tank linings have shown improved resistance to the acid and heat.

The photographs below, incidentally, provide a partial explanation. In them the pipe of Tellurium Lead has been shown by heat then to the acid attack of the "normal" type of pipe. The "normal" pipe is greatly weakened by heat of treatment at elevated temperatures.



Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

Tellurium Lead is proving itself a supreme "acid tamer" as well for metal from the most aggressive in the plant as for the most corrosive. Tellurium Lead is handling - some more severe corrosion and gives efficiency and economy. And the reason, most people - guess, is this: Tellurium Lead has an unusual ability to withstand acid attack. Its resistance has been demonstrated particularly in acid attack where other materials are actually rejected.

NOTICE: If the film image
is less clear than this
notice, it is due to the
quality of the document
being filmed

168

Blank
Pages

168-170

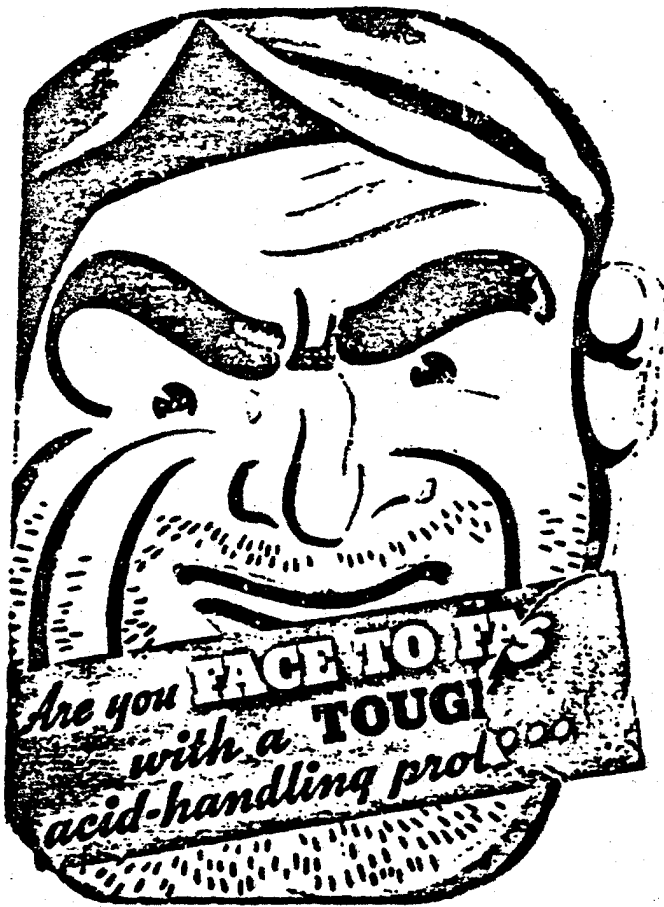
00057

2633

NLI 114120

NOTICE: If the film image
is less clear than this
notice, it is due to the
quality of the document
being filmed

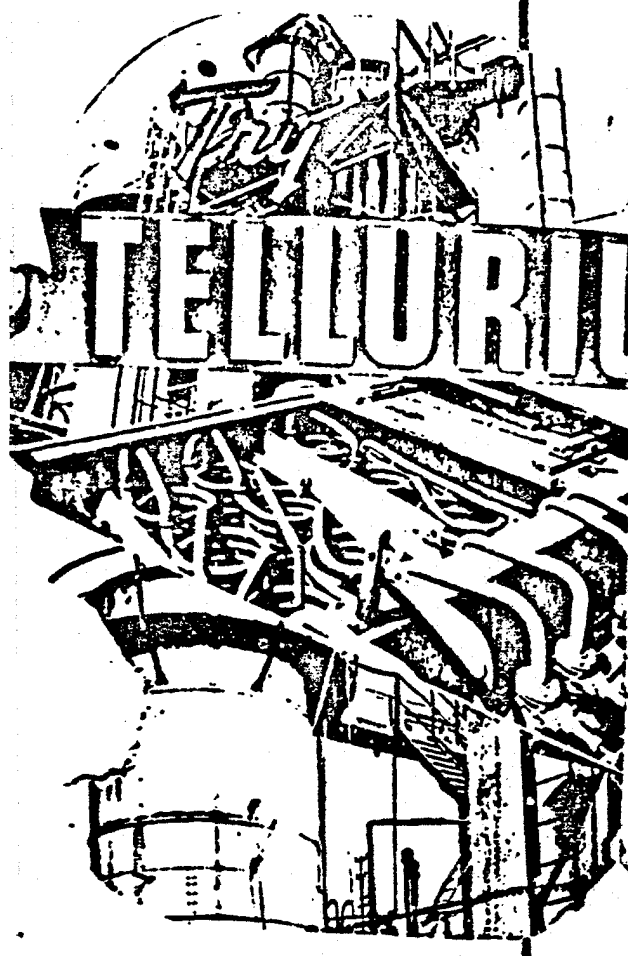
171



00057

NLI 114121

NOTICE: If the film image
is less clear than this
notice, it is due to the
quality of the document
being filmed



TELLURIUM LEAD

the lead that
can "take it"
*in more ways
than one...*

00057

NLI 114122

an

1273 F

166 170
Cost Cured

first...



TELLURIUM
LEAD...

...increased resistance to MECHANICAL FAILURE

FIGHTS

Mechanical Failure...

Tellurium Lead behaves differently than other types of lead under physical strain. With lead work-hardening, however, its tensile strength actually falls as mechanical failure.

You'll find another ability in "tellurographite" - the lead is installed. Tellurium Lead shows sharpness on the top edge of a lead, becomes softer and stronger at the same point. Tellurium Lead gives lead to form an extremely strong surface at the lead.

You'll notice it again with things subject to repeated tension and contraction due to heat changes. When work-hardens, a Tellurium Lead being used to be used by movements resulting from expansion. There's less chance of the development of a line of weakness which lead to failure.

You'll notice it finally in the longer life of one exposed to vibration. Tellurium Lead is toughened by very motion, too double the transmission of heat and vibration under such conditions.

first...



**TELLURIUM
LEAD...**

...increased resistance to MECHANICAL FAILURE

FIGHTS

Mechanical Failure...

Tellurium Lead behaves differently than other types of lead under physical stress. This lead toughens when subjected to tensile stresses, actually fights mechanical failure.

You'll find under this ability to "self-toughen" when the lead is installed. Tellurium Lead, being fused over the top edge of a tank, becomes softer and stronger at the same time. Tellurium Lead gives lead its extra strength, usually throughout the tank.

You'll notice it again with tanks subject to repeated use and continuous day to day changes. Because it contains a Tellurium Lead alloy which is to be completely hardened by annealing resulting from expansion. These tanks have shown all the development of a line of tanks which might lead to failure.

You'll notice it finally in the longer life of equipment subjected to vibration. Tellurium Lead is composed of other very common, but double the improvement of lead with tellurium under conditions.

and...

00147

NLI 114123A

12741

166 170 (not copied)

second...

but even **TOUGH** ones behave better

...increased resistance to

CORROSION



How to cope with a "rough" world situation, no matter how many of your precious plants are facing a Tellurium Lead threat? The answer is to use this type of lead which is resistant to acid attack, heat and heavy, low moisture has been available especially under conditions.

For example, in many plants, Tellurium Lead is used to protect against the harmful effects of chemical corrosion.

One reason why Tellurium Lead is used for protection and safety is that it is found to be more resistant after five years' service. The special properties of Tellurium Lead are:

- Superior resistance, providing with other alloys 250,000% of service life.
- The Tellurium Lead is used for the other five years in the service area.
- In many plants, the Tellurium Lead has the degree of resistance which is not available in other alloys.
- A building-up compound against the harmful effects of Tellurium Lead is used to make the lead and corrosion lead produced against Tellurium Lead. The Tellurium Lead is used for the same.

Copied
0

171

second...

but even
TOUGH ones behave better



...increased resistance to



for
TELLURIUM LEAD

CORROSION

First to show with a "test" and solution, an increasing number of protection plants are turning to Tellurium Lead. And there's why. In one after another this type of lead has shown its resistance to acid, alkali, heat and moisture. Its proven resistance has been particularly superior under difficult conditions.

For example, in many plants, Tellurium Lead has shown extremely good performance in the handling of chemicals at elevated temperatures.

One company using Tellurium Lead to handle the oxidizing agents and acids at 250° F. found its losses will be paid within three years' service. The general Electric Corporation reported in three years.

Another company, producing with other sulphate acid at 250-300° F., states "This Tellurium Lead keeps me with better top day after two years in this severe service."

In many plants, too, Tellurium Lead has shown a high degree of resistance where mechanical stress, particularly abrasion, increases corrosive action.

A leading company reports the installation of a number of Tellurium Lead Tanks in such severe hot liquid and vapors, but previously produced rapid corrosion. Now, the Tellurium Lead keeps them off.

but

NLI 114124A

00147

15761

172

Blank
Pages
172-174

NOTICE: If the film image
is less clear than this
notice, it is due to the
quality of the document
being filmed

00057

NLI 114125