

LEAD INDUSTRIES ASSOCIATION

430 LEONSTON AVENUE
NEW YORK 17, N. Y.

Pigments and Chemicals Division

SUBJECT TO REVISION

RED LEAD TECHNICAL COMMITTEE MEETING MINUTES

New York, N. Y.

September 16, 1954

A meeting of the Red Lead Technical Committee was held in the offices of the Lead Industries Association on September 16, 1954.

Present

L. L. Carrick, Chairman
F. Whitford
O. F. Shobe
C. J. Vander Valk
R. P. Bates
E. K. Zimmerman

Representing

Lead Industries Association
The Eagle-Picher Company
The Glidden Company
Hammond Lead Products, Inc.
National Lead Company
National Lead Company

C. E. Cherry Jr., Lead Industries Association
Secretary to the Committee

The meeting was called to order at 9:30 A.M. with Dr. Carrick presiding. The minutes of the previous meeting of April 1 and 2, 1954 were approved as circulated.

TECHNICAL LETTER NO. 9

Red Lead Technical Letter No. 9, Red Lead Paints for Rusted, Weathered or Treated Hot Galvanized Steel, was put in final order for publication. A copy of the Letter as it will be printed is appended to these minutes.

RE-RUN OF TOTAL IMMERSION TESTS ON PROJECT 20

It was decided to assign L.I.A. Project No. 21 to the re-run of the total immersion portion of Project 20. A new anti-corrosive paint, pigmented 100% with basic lead silico-chromate (M-50), will be added to the series. Mr. Shobe will have the new paints prepared as soon as possible.

DIVISION EXHIBIT IN 1955

The secretary reported on three exhibit site possibilities. These were the International Oil Exposition at Dallas, the show sponsored by the Allied Railway Supply Association at Chicago and that by the N.A.C.E. also at Chicago.

The committee members decided that the N.A.C.E. show held the most potential for the division. Accordingly, it recommended that the division exhibit there. Suggestions for the exhibit itself were then offered. It



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was agreed that presentation should run along the lines of models of tanks, plants and equipment for which red lead is recommended. The secretary was requested to make inquiry as to the availability on a loan basis of such models. Particular interest was shown in a suggestion by Mr. Shobe to demonstrate the effectiveness of red lead in protecting pipes carrying hydrogen sulfide in the oil fields. Mr. Shobe agreed to send a piece of black iron pipe to the National Lead Testing Station at Sayville where a test will be set up passing through pipe that is partially unpainted and partially painted with red lead on the inside. The specimen would then be used at the exhibit. Final recommendations were left for the next committee meeting after investigation of model availability has been made.

EXPOSURE TEST FOR ELAKLED

Further information that has come to committee members on Elakled has indicated to them that there are insufficient promotional possibilities in the product to warrant an L.I.A. project.

NEW TECHNICAL LETTER

The committee decided that the next technical letter should contain, instead of formulations, a number of actual case histories of red lead in various applications. Specific suggestions for case subjects are to be offered at the next meeting.

NEW PROJECT - L.I.A. PROJECT 22

To investigate the reputed beneficial effect of litharge added at the time of application a new project was initiated. The twenty paints described below are to be tested at Sayville on both new and weathered galvanized steel panels. The test on new galvanized is to start as soon as the paints can be mixed. The test on weathered panels is to start after a set of unpainted panels has been exposed for three months. National Lead will prepare the paints.

Panels are to be 12" x 12" new galvanized steel, solvent cleaned. One half of each panel is to be coated with two coats of primer, the other half with two coats of primer plus one top coat. Top coat is to be aluminum topcoat L.I.A. 397, as used in Project 19. Total thickness of primer to be 2½ to 3 mils; thickness of top coat 1 mil. Paint to be spray applied.

Paints:

- Control Paints:
1. L.I.A. 361
 2. L.I.A. 362
 3. L.I.A. 378
 4. Zinc Dust-Zinc Oxide Primer,
Fed. Spec. 77-R-641, Type I
 5. L.I.A. 399

Test Paints:

Pigments:

1. L.I.A. 367 with zinc dust replaced by volume by 85% siliceous iron oxide.
2. The above pigment with a volume of the iron oxide replaced by an equal volume of litharge whose weight is 100 lbs.

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3. The first pigment above with a volume of the iron oxide replaced by an equal volume of litharge whose weight is 200 lbs.
4. The first pigment above with a volume of the iron oxide replaced by an equal volume of litharge whose weight is 400 lbs.
5. The first pigment above with a volume of the iron oxide replaced by an equal volume of litharge whose weight is 600 lbs.

Each of the above pigments shall be mixed with the 3 different vehicles listed below so as to maintain a PV of 42.

Vehicles:

1. Same as in L.I.A. 9-4
2. Same as in L.I.A. 9-5
3. Same as in Fed. Spec. TT-P-86a, Type I

NEXT MEETING DATE

The committee tentatively scheduled its next meeting for one day in the last week of November.

The meeting adjourned at 4:30 P.M.

Charles E. Cherry Jr.

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Secretary to the Committee