INTEROFFICE MEMO

PLAINTIFF'S EXHIBIT
EXX 14

BATON ROUGE REFINERY

Mr. J. T. O'Brien Attn. Mr. B. F. Anderson	SUBJECT Insulation Study Dated September 14, 1959
FROM M. Kuniansky /BEL	DATE October 1, 1959

FILE NO.

On September 14, 1959, we issued a memo outlining the results of a comparison study of several hot pipe insulations. Among the products listed was Careytemp made by the Philip Carey Manufacturing Company.

The representative of Philip Carey later informed us that an inferior sample of their Careytemp insulation was mistakenly released. The material that we received for the initial testing was part of this shipment. Another sample was selected at random from their warehouse and further tests have now been conducted. The test results are unchanged from those indicated in the original Insulation Study with the following exceptions:

Shock Resistance - Careytemp absorbed shock fairly well with some indentation. However, once cracked it breaks apart easily.

Abrasion Resistance - Though harder and stronger than the previous test sample, the abrasion resistance improved only slightly. It would not last on lines subject to excessive vibration.

Field Handling - Careytemp could withstand normal handling without excessive breakage. Some damage would occur at the ends. The tie wires will not damage the insulation.

Taking into consideration the additional tests conducted, the previous recommendations are modified as follows:

1. That Unibestos and Thermobestos be used as our hot pipe insulation because they display the most desirable qualities and would undoubtedly prove to be more economical than the others because of less waste due to breakage.

2. That Careytemp be considered on a competitive basis where moisture or chemical resistance are of prime importance and excessive vibration is not anticipated.

3. That Kaylo be considered as a suitable substitute only when situations warrant the use of products other than Unibestos, Thermobestos, or Careytemp.

Note: Based on other tests recently conducted, Ruberoid Calsilite insulation was not included in this insulation study. Ruberoid Calsilite insulation is not recommended as a suitable substitute. This was covered in our memo on this subject to you on August 17, 1959.

/ESBaranski:ECW

cc: Mr. C. E. Atchley
Mr. S. L. Baron
Mr. C. R. Lee, Jr.

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