

To: H. C. Gaffney

Date: 2/24/84

Location: Chicago Plant

Copy to: R. Johnson
J. A. Stretanski
F. F. Loffelman

From: J. F. Daly

Location: Chicago Plant

Extension:

Subject: MONTHLY REPORT FOR FEBRUARY, 1984

Reference:

A. TECHNICAL PROJECTS

1. PPG

At the urging of PPG we have made an effort to improve the Hegman grind of Cyastab 40. As a result, oil absorption values increased to unacceptable levels.

A meeting was held with PPG research and plant personnel at their Allison Park, Pa., research center in an effort to resolve the question of exactly what PPG needs and what we can supply. Ultimately, PPG needs material that will pass their salt spray test. Since this isn't a practical QC test, they have tried to find other parameters which would correlate with salt spray. At this point they believe that oil absorption and chemical composition (ratio of $4 \text{ PbCO}_3 \cdot 2 \text{ Pb}(\text{OH})_2 \cdot \text{PbO}$ to $2 \text{ PbCO}_3 \cdot \text{Pb}(\text{OH})_2$) affect salt spray, but the data seen thus far is far from conclusive. They therefore want material with a maximum oil absorption of 15 and a composition of at least 68% $4 \text{ PbCO}_3 \cdot 2 \text{ Pb}(\text{OH})_2 \cdot \text{PbO}$. Since Hegman grind does not affect product quality, only production time, they are willing to relax the grind specification to a 4 A minimum.

We also discussed setting up a joint research project to study the effect of various stabilizer properties on salt spray. Cyanamid will provide samples of stabilizer with as wide a variation in oil absorption, chemical composition, etc. as possible, and PPG will run salt spray and x-ray crystallography (for composition).

A. TECHNICAL PROJECTS (continued)

2. TENNECO

We have established that Cyastab 523-O supplied 1 year ago to Tenneco has the same electrical properties as the material they are complaining about, and the difference between Cyastab 523-O and Tribase XL- oiled is very slight. Accordingly, their complaint is not justified.

We will need considerably more information about Tenneco's application before we can do anything about developing a stabilizer that will perform in this specific application.

B. PLANT GENERAL

1. COMPUTER

The energy and labor useage program has been designed and installed. We will begin testing on March 1.

Testing and "debugging" of the inventory program is proceeding satisfactorily.

C. TRIPS AND CUSTOMER CONTACT

1. TRIPS

The writer and P. J. Kondla visited PPG, Allison Pk, Pa. Details reported above.

2. VISITORS

Dave Beegle and Jim Graham from PPG, East Point, Ga. visited the plant.

3. CUSTOMER CONTACT - TELEPHONE

A. Had numerour telephone conversations with PPG personnel regarding the Cyastab 40 problem detailed above.

B. Robert Revelli of Revelli Chemicals, Yonkers, NY called for a sample and information on Cyastab 40.

C. Spoke with Doug Rogers, Phelps- Dodge, DuQuoin, Il. regarding their planned installation of a compounding line (EAC 100k lbs. lead) at that plant


J. F. Daly

JFD:db

CYWI 1-000148

Monthly Report for February 1-27-84
Effluent - Control valve on order. MSDGC tests effluent 2/22 and 2/23. Tested effluent 2/22 with carbonate running.

Maintenance Problems - Install condensate return system on the down dryer.

South Ball mill motor came loose, damaging couplings. Repaired motor, presently working on shaft with couplings. Running North ballmill.

Installed rotating magnetic in bottom of blender. Wired up temporary.

P+S dryer - gearbox, pump & valve

Installing rebuilt 75 H.P. compressor.

Blender gear box.

Job Order - Lithoap Weighting System - Complete. Will order spare parts and close out.

Wired Stabilizer Extender - Running. Submit to T & X W.

Pick - Gas Burner for Furn - Updated costs still look good for the use of gas. Will write C.O. on unit.

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