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Niagara Falls, New York, June 25, 1980

REPORT NO. 80-T-39

FILE NO. 11217

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TRIP TO: Bound Brook, New Jersey
UCC - Chemicals and Plastics Division

DATES: June 19 and 20, 1980

BY: P. R. Sherman

SUBJECT: Asbestos Bagging Improvement

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Niagara Falls, New York, June 25, 1980

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UNION CARBIDE CORPORATION
METALS DIVISION
TECHNOLOGY DEPARTMENT - ENGINEERING
SPONSOR: T. J. KAGETSU

TRIP TO: Bound Brook, NJ, UCC-C & P Division

DATES: June 19 and 20, 1980

BY: P. R. Sherman

SUBJECT: Asbestos Bagging Improvement

CONTACTED: John Kantz, Bound Brook, NJ
Rick Hemmerly, Weldotron, Piscataway, NJ
Bruce Gittlin, Overwrap Corp., Fairfield, NJ
Mel Parnes, Sigma Engineering (Overwrap Corp.)
Middlesex, NJ

Weldotron Packaging Systems

The "L" sealer which seals the film wrap on all sides before entering the shrink tunnel will handle our size of bags, but turned out not to be automatic. It would require an operator to roll the bag into the machine and lower the sealing bar. They prefer not to make special machines, but Mr. Hemmerly agreed to inform us in several days if they would consider a proposal to automate a large sealer.

The Weldotron shrink tunnel is shorter than the tunnel at King City, only 6'0" overall, and so may be a useful replacement if more room is needed to fit a second operation in our main bagging line.

Two bags were wrapped at Weldotron after removing the two films.

RG-244, 4 side "L" sealer and shrink
SG-210, standard sleeve shrink wrap

Overwrap Equipment Corporation

At their Fairfield, NJ office and demonstration room we applied a stretch overwrap over a single King City shrink wrap. The machine is their Super Spinner portable machine which can wrap a 50-lb bag on four sides with a 12" film in a spiral wrap or a 25" film in a straight wrap. The machine is portable, uses 110-volt, 8-amp, single-phase power. The price is $7,720, including adjustable speed, film tension, timed shutoff, and 30-inch film holder.

The wrap is applied in about 15 seconds, but the production rate will depend on the time for a man to move a 50-lb bag from a pallet to the

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spinner and then stack on another pallet continuously. One man may completely repack a pallet in less than an hour, including a pallet stretch wrap. This machine may be useful, on a temporary basis, in the storage shed and later at the RG-244 area to double wrap only the few bags which have a faulty shrink wrap.

Two bags were stretch wrapped after removing one of the King City films.

RG-244, 12" spiral wrap
RG-144, 25" straight wrap

Overwrap Corporation (Sigma Engineering)

The orbital in-line automatic stretch wrap machine we saw at Middlesex, NJ, was a large 72" model not set up at the time to wrap our bags. Mr. Parnes offered to arrange to test wrap our eight bags the following week in the presence of John Kantz.

This machine would be much faster than the Super Spinner and may cost about ten times as much. It may be considered for the main line following the shrink tunnel. We will get dimensions and details of a smaller 42" model after the test run.

The four bags test wrapped will be returned to King City for inspection. We will get prices on a portable pallet stretch wrap machine.

P R Sherman

P. R. Sherman

PRS/cw

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