

TRIP REPORT

LANCASTER GLASS COMPANY

DATE: August 24 - 25, 1966

OBJECTIVE: HB Quality and Production Problems

GE PERSONNEL: W. F. Hopkins
R. E. Hamon
D. R. Coffman

LANCASTER CONTACTS: Dr. R. Fox
B. J. Gerlach
T. Kendrich
R. Oldham
J. Redman
H. Schupe

DISCUSSION: The visit was made to offer assistance on various HB production deficiencies. The assistance of Mr. Hamon was solicited to take advantage of his familiarity with glass fabrication methods and associated problems. In this respect, Mr. Hamon viewed the Lancaster HB manufacturing areas and offered two quite worthwhile suggestions. The first dealt with improvement to the HB stud insertion equipment while the second referred to the high loss problem at funnel-neck splice.

In addition to the above, considerable time was spent with Lancaster personnel discussing all phases of HB production and loss items. A step-by-step review was received from Mr. Kendrich relative to the report issued by Messers Sedgeley and Ohmart (WFH Trip Report - July 26). While Lancaster has investigated each report finding or recommendation, little has resulted other than an improvement of inspection lighting and standardized inspection methods. In retrospect, however, any improvement gained is desirable. Various items dealing with production efficiencies relative to personnel and equipment have been reported by Mr. Coffman's letter of August 31, 1966 to Lancasters' Mr. Kendrich.

A sizeable segment of Lancaster production losses occur at stud insertion because of fillet area bubble distortion. Lancaster has proposed venting the stud to relieve trapped air in the RF seal process. Whether this can be tolerated in tube manufacturing is somewhat doubtful at this time. Additionally, Lancaster has requested relief of the stud bubble specification. Review of this problem with Mr. C. E. Miller (Building 15) led to the agreement to test this item with a test run of approximately 100 face panels evidencing this defect. If relaxation can be obtained, a sizeable gain in panel shipments would result. Estimates of this gain are 200 - 400 units/day.

A short side visit was made to General Electric Industrial Heating Department. A design was agreed upon for a radiant heating device to be tried by Lancaster at funnel-neck splice operation. It is felt that this equipment is of direct interest to Syracuse CRTO with respect to similar preheat needs. A Shop Order was taken out to allow Shelbyville to fabricate one such unit. The current status of the color tube panel bake oven was reviewed with Mr. J. Barber. A slight design problem relative to load end specifications was finalized.

WJH
W. F. Hopkins

WFH/sc

cc E. F. Schilling
V. C. Campbell ✓
D. R. Coffman
C. E. Miller
R. J. Goggins
P. N. Taggett
G. F. Miller
R. E. Hamon