

INTER-OFFICE MEMO

T. E. V. Scheffer

At Burlington

DATE April 20, 1976

FROM I. A. Rumberg

At Burlington

Com. by W. A. Fogelsanger

L. Z. Iszak

N. J. Quist

C. G. Thompson

J. P. Sandstedt

SUBJECT DEI-603 DOUBLE MECHANICAL SEALS - BURLINGTON
DEI-604 DOUBLE MECHANICAL SEALS - FLEMINGTON

A meeting was held at Burlington April 7, 1976 to discuss the design criteria for double mechanical seals. Messrs. W. Fogelsanger, N. Quist, L. Iszak and I. A. Rumberg attended.

It was agreed that since we are seeking standardizing of seal applications on V. C. service pumps we would use the following:

1. Seals capable of being pressurized to 300 psi
2. Assembly to be of the cartridge type
3. Standardize on 1 1/4" & 1 3/4" seal diameters
4. Maximum allowable temperature generated by seal of 120°F
5. Maximum of 2 - 3 cc/hr of glycerin to leak into pump cavity
6. Seal manufacturer's representative to be on-site during installation of test seals
7. A Bendix Head shall be relocated to seal installation for G.C. readout
8. Seals will be tested on similar services such as:
 - a) Copoly recov'd monomer charge
 - b) Copoly recov'd monomer recirc.
 - c) PVC recov'd monomer charge
 - d) Plastisol recov'd monomer charge
9. Seal manufacturers to be involved in test:
 - a) Chempro
 - b) Durametallic
 - c) Grane

It should be noted that the seal manufacturers are agreeable to the idea of furnishing seals free of charge for our testing.

IAR: gm

I. A. Rumberg