

Since the Trane Company has a policy of continuous product improvement, it reserves the right to change specifications and design without notice. The installation and servicing of the equipment referred to in this booklet should be done by qualified, experienced technicians.

9/29/75 Reviewed 7/1/81

SUBJECT: MODEL E OPEN COMPRESSOR, JOHN CRANE SHAFT SEAL CHANGE

INTRODUCTION

During the third quarter of 1975, the design of the John Crane Shaft Seal (SEL-193) for the Model E compressor was changed to protect against leakage that can result from oil carburization, bellows fatigue and blistered carbon rings.

DISCUSSION

The original seal utilized a carbon ring that was cemented to the neoprene bellows. Evidence indicated that the use of cemented carbon may have prevented proper mating of the carbon ring and the gland plate, which resulted in heavy, uneven loading and excessive wear.

The new seal is assembled without cement. This avoids any "cocking" of the carbon ring with respect to the seal seat, avoiding uneven loading and wear.

NEW PRODUCTION

All Model E compressors manufactured after this date utilize the redesigned seal.

PARTS ORDERING INFORMATION

Order part number SEL-193. The redesigned seal will be substituted for any orders.