



FILE INFORMATION:

DIVISION TAB-TRANE REFRIGERATION PRODUCTS
PRODUCT TAB-RECIPROCATING COMPRESSOR-
CONDENSER UNITS
LITERATURE ITEM-GENERAL SERVICE BULLETIN

LITERATURE FILE NO.

HCOM-SB-60

**GENERAL
SERVICE BULLETIN**

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.

2/12/82

SUBJECT: MODEL "K" COMPRESSOR OIL OVERCHARGE

INTRODUCTION:

The purpose of this Service Bulletin is to discuss Model "K" compressor vibration which occurs due to oil overcharging.

DISCUSSION:

It has been reported that several Model "K" compressors have experienced excessive mechanical vibration. The major cause for this is due to an oil overcharge severe enough to allow the crankshaft counterweight and the lower cylinder piston rods to strike the oil. Sufficient force develops from the rotating components and oil to cause strong mechanical vibrations.

CORRECTIVE ACTION:

If a Model "K" compressor is found to have an abnormal mechanical vibration, the oil level in the oil sight glass should be checked. Oil must be visible in the oil sight glass. If the level is above the glass, then the oil overcharge condition exists.

To relieve an oil overcharge condition, the Model "K" compressor has an oil charging service valve located near the bottom of the compressor (Figure 1). To operate, remove the larger size 15/16-inch cap (Figure 1) exposing the slot headed valve stem. Also, remove the smaller 3/4-inch cap (Figure 1) which serves as a dual purpose oil charging and drain valve. Attach an oil drain line hose to the 3/4-inch opening. Lay the other end of the hose in a bucket and slowly crack open the valve one quarter turn. Remove sufficient oil till the oil level returns to 3/4 full in the sight glass. Replace both caps.

WARNING: WHEN OPENING THE VALVE, DO NOT OPEN QUICKLY SINCE THE OIL IS UNDER PRESSURE. FAILURE TO DO SO COULD RESULT IN SEVERE PERSONNAL INJURY.

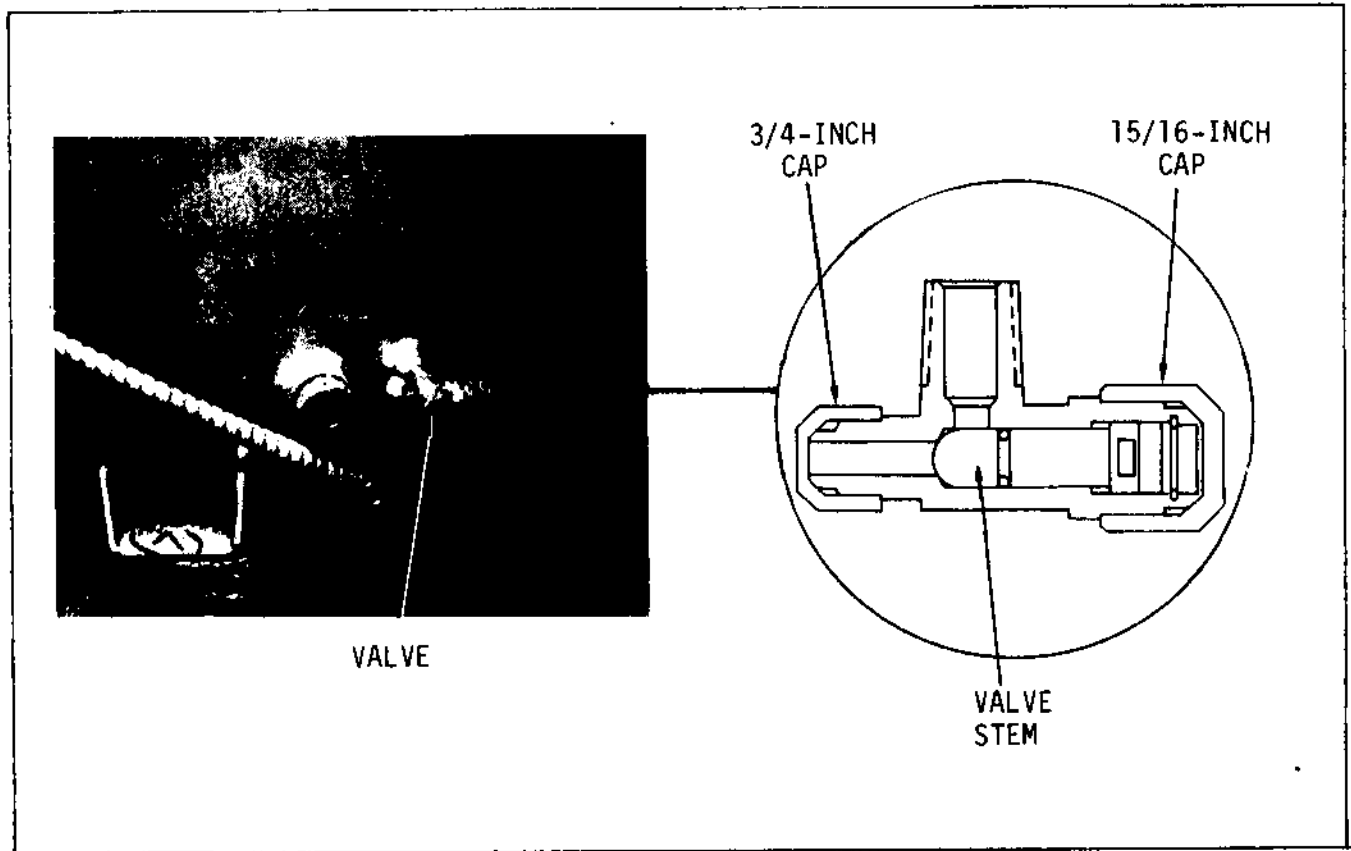


FIGURE 1 - Oil Charging Service Valve