UNITED TECHNOLOGIES CARRIER	Commercial Division Carrier Corporation	BULLETIN: CA-SB-19-C-57-4 DATE: 8/12/57 PAGE: 1 OF: 1
SERVICE BULLETIN		SUPERSEDE BULLETIN: DATE: PAGE: OF:
SUBJECT: PURGE OPERATION--LIQUID LEVELS		

PURPOSE

To advise that because Carrene 113 is a low pressure refrigerant, room temperature under certain conditions will cause it to condense on the inside walls of the purge separation chamber. This accounts for the fact that liquid refrigerant is frequently seen in the top sight glass, which normally shows water only.

MACHINES AFFECTED

19C, Carrene 113, machines.

INFORMATION

When giving instructions to a customer's operator, advise him not to drain out and throw away all liquid seen in the upper sight glass, but rather to look for a double level in this sight glass, as in the same manner that we observe water floating on top of the refrigerant in the lower sight glass of the 17 Series purge.

It is a good idea to show the new operator what the water will look like floating on top of the refrigerant by drawing off a little refrigerant in a glass container, and pouring a small amount of water on top of it.

Infrequently, the top sight glass fills to a level above the sight glass. The operator should be instructed to watch for this, however, and when it occurs, he should drain this refrigerant into a container and pour it into one of the spare refrigerant drums.

Loss of liquid level in the lower sight glass during shutdown, due to slight leakage of the float valve, is not serious if the level returns after a short period of operation.

Occasionally, small amounts of water can be seen on top of the liquid refrigerant in the lower sight glass. This is not serious as the water is trapped above the liquid refrigerant and cannot be returned to the cooler unless the float valve leaks, in which event, it will make the circuit again and be picked up by the purge.

If the above points are covered when instructing the operator, it will save many needless service calls.