



## SERVICE BULLETIN

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**Title:** 17/19 Dual DR Low Oil Pressure

**Models Affected:** 17/19 Dual DR's

**Number:** C9104

**Date:** 1/27/91

**Supersedes:** None

**Date:**

**Purpose:**

This bulletin provides information on a high capacity oil pump that will provide increased oil pressure, especially for 50 Hz chillers.

**File:** Compressor–Motor–Lube Assembly

**Prepared By:** Nick Chashin

**Approved By:** Alan M. Johnson

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## Background:

There have been reports of low oil pressure on a few 17/19 dual DR chillers, more common with 50 Hz pumps but also occurring with 60 Hz pumps on chillers with two large (3 frame) compressors.

The 50 Hz pumps have been redesigned to raise the flow from 15 to 20 GPM by offsetting the pump housing further to the right when viewed from the pump end. The new pump housing (part no. 19EA51-5394) looks like the original housing, but the .250" DIA. dowel holes have been shifted .028" to the right when viewed from the motor end. The remaining parts and the motor nameplate data are unchanged. RCD will stock the new pump housing as well as the complete pump. Following are the part numbers for all "dual compressor" pumps. The 19EA-511---223-- and 19EA-521---223-- have the same motor, only the pump housing is different.

## Oil Pump And Motor Package For Dual Compressor Chillers

380-480 Volt; 60 Hz.	19EA-511---223--
200-240 Volt; 60 Hz. (reconnect in field for low voltage)	
380-440 Volt; 50 Hz.	19EA-521---223--
220-240 Volt; 50 Hz. (reconnect in field for low voltage)	
550-600 Volt; 60 Hz.	19EA-531---223--

## **Recommendation:**

If a dual compressor chiller has low oil pressure that isn't related to dirty filters, faulty oil regulator, refrigerant contamination or high bearing clearances, the oil pump housing can be changed to the new style. The new housing should not be added to 60 Hz assemblies indiscriminately since excessively high oil pressure may result. Only use the 19EA-521-223--- pump on 60 Hz when the oil pressure is unacceptably low.