

RBC SERVICES UPDATE

RBC Services
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WORN RBC BEARING JOURNAL

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Due to the age of an RBC and/or concerns with old main shaft bearings, a few reports have been received regarding worn bearing journals on an RBC shaft. This condition may have been detected while inspecting or replacing a bearing. When a problem is detected early, it generally takes less time and expense to solve.

QUESTION: I was changing a bearing on my RBC and noticed the journal was worn and out of round. Am I going to need a whole new shaft?

ANSWER: Most likely not.

RBC Main shaft bearing journals are a nominal 4-15/16", 5" or 7" diameter. If the journal becomes worn and out of round, in most every case, it can be repaired.

There are two similar methods which can remedy this situation.

1. The journal surface is properly prepared, welded over and machined down to a specific diameter. **This is the preferred method.**
2. The journal can be turned down to eliminate the wear and a shrink-fit sleeve applied to match the original diameter.

QUESTION: Do I have to hire a crane to take the RBC out of the tank?

ANSWER: No. The job can be done in place.

RBC Manufacturers are not in the business or are not equipped to perform these types of repairs. As part of our service however, we will put you in contact with an experienced firm which covers your area with the equipment and capability to do the work properly.

Should you need this type of work done at your facility, all you need to do is give me a call. A machining firm with the expertise to perform in-place repairs will not only correct the problem, but inspect the remaining bearing journals as well. This can detect and help eliminate future problems by implementing corrective measures now.

Don't forget, we are as near as your phone to assist in any way possible. Give me a call.