



SERVICE BULLETIN

Title: 17/19EX Labyrinth Replacement
Models Affected: 17/19EX

Number: C9704
Date: 1/30/97
Supersedes: New

Purpose:

Recommendation for the application of **Never-Seez** when replacing any of the impeller labyrinth's on a 17/19EX to avoid any unusual wear problems during initial start up.

File: Compressor–Motor–Drive–Gears

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Background:

When assembling a 17/19EX compressor with a new labyrinth, there may be a little interference between the impeller and labyrinth when the machine is started.

General Information:

The factory has now made a change in the assembly of all 17/19EX compressors. The teeth on the first and second stage labyrinths are coated with a thin layer of Never-Seez to act as a light lubricant for the break in period. The lubricant prevents any serious binding or galling of the aluminum when the compressor is started. Never-Seez is a brand name of a bearing type grease composite sold by Bostik under part number NSBT16.

Installation:

1. Inspect and clean surfaces of the labyrinths and impeller where the two mate.
2. Fit the labyrinth to the mating surface. Material can be removed carefully from the labyrinth teeth to get the design clearance.
3. Apply a thin coat of Never-Seez to the top of the teeth on the labyrinth. Do not fill the teeth of the labyrinth, this will negate the function of the labyrinth and possibly lead to performance degradation.
4. Complete the assembly of the compressor.
5. On startup bump the compressor. This is a process where the start button is pushed and as soon as the compressor starts the off button is pushed. This allows for a stable wear in of the

labyrinth to occur.

6. Complete the balance of the start up procedure.