

Customer: Sugar Factory

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PROBLEM DESCRIPTION: The subject of the renovation was the diffuser pin worn by the sealing (ϕ 300 mm). Wear made it impossible to work with the diffuser during the next sugar campaign. The diameter defects reached 9 mm in some places.

DESCRIPTION OF THE REPAIR: The surface to be applied was cleaned with angle grinders and degreased with **Chester Fast Cleaner F-7**. Two half-sleeves were prepared with an internal dimension equal to the nominal size. A layer of **Chester Metal Ceramic T** was applied. Half-sleeves previously smeared with the **Chester Release Agent** separator were placed on the shaft and twisted while the composite was still plastic. After 48 hours the sleeve was disassembled, the flashings were ground and the gland was mounted on the pin.

ACHIEVED EFFECTS: The time to repair the diffuser has been significantly shortened, the traditional method requires the disassembly of the diffuser pin, which is a difficult and very labor-intensive operation.

