

**No. 179n**

**Customer:** Limestone Works

**Made by:** M.Sc. Eng. Zbigniew Zawadzki -CHESTER MOLECULAR

**PROBLEM DESCRIPTION:** as a result of operation in difficult conditions (high dustiness) of the 3-speed gearbox, the bearing (internal diameter 200 mm) was turned on the shaft end. The shaft cap was worn, the amount of wear reached 0.2 mm.

**DESCRIPTION OF THE REPAIR:** it was decided to assembly the bearing onto the shaft with **Chester Molecular C-36 anaerobic adhesive**. The surface of the shaft journal was cleaned with a hand grinder and sandpaper (photo 1). Then, the surface of the journal and the inner surface of the bearing were degreased with **Chester Fast Cleaner F-7**. Glue was applied to both surfaces and the bearing was mounted on the journal. (photo 2).

**ACHIEVED EFFECTS:** thanks to the use of the Chester Molecular adhesive, full efficiency was restored and the reducer repair time was significantly shortened.

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