

No. 058n

Customer: Ironwork

Made by: M.Sc. Eng. A. Sitko - CHESTER MOLECULAR - Opole

PROBLEM DESCRIPTION: The bronze bushing of the counterbalance shaft of the pipe alongator has worn out as a result of operation. The repair consists in inserting a new brown bushing in place of the worn bushing.

DESCRIPTION OF THE REPAIR: The bush was made of ordinary carbon steel, with a hole 8 mm larger than the nominal size. The inner surface of the bush was degreased with **Chester Fast Cleaner F-7** and lined with **Chester Metal Slide**. After the Chester material was pre-cured, the bushing was machined to remove excess Chester Metal Slide material to a nominal size.

ACHIEVED EFFECTS: This type of regeneration enables the elimination of the bronze bushing, replacing it with a steel bushing lined with Chester Metal Slide. Worn bronze bushings can also be regenerated in the same way. Previously, the worn bronze bushings were scrapped.

