

USER: Thermal Plant

DESCRIPTION OF THE PROBLEM: The W 16 P circulation pump made in 1981 and used for pumping "the technological heat" – hot water got out of order. The input pressure 2 atm and the output pressure 16 atm. The suction body of the pump was damaged – a lack of tightness in the form of cracking (the area marked with chalk).

DESCRIPTION OF THE REPAIR: The area around the cracking was cleaned with the help of a polishing disk and ends of the crack were punctured. Then the cleaned surface was degreased with **Chester Cleaner**. After the surface was dried, the capillary adhesive of Chester Molecular was applied in the crack and then **Chester Metal Super**, further strengthened with a tape.

ACHIEVED EFFECTS: The time of the repair was ca. 2 hours, and the cost of the repair amounted to ca. 2.5 % of the cost of a new suction body of the pump.

