

No 305n

User: Paper plant

PROBLEM DESCRIPTION: The debarking drum is subject to erosive wear during operation. This wear is caused by the friction of the wood rollers (logs) against the inner surface of the drum, as well as the erosive action of sand and earth on the surface of the barked wood. The previously used method of repair consisting in periodic replacement of the most damaged elements of the drum was rejected by the user due to the unacceptable durability of such regeneration and the related maintenance downtime. In order to extend the failure-free working time of the debarking drum, alternative methods were sought. Chester Molecular proposed to protect the inner surface of the drum with **Chester Surface Protector B**.

DESCRIPTION OF THE REPAIR: Before protecting the entire drum, the user decided to test the proposed solution on a small fragment - approx. 10 m² of surface. The selected fragment, most susceptible to wear, was properly prepared - washed, sandblasted and degreased with **Chester Fast Cleaner F-7** and then protected with a 4 mm **Chester Surface Protector B** coating.

ACHIEVED EFFECTS: After about 6 months, the protected part of the drum was inspected. No damage or wear was found. User decided to protect the entire inside surface of the drum. Every few months the device is inspected. After 5 years, no significant changes in the appearance and thickness of the coating were found.

