



A Division of B&D Industrial

PULP & PAPER INDUSTRY

TACKLING A MADE-TO-ORDER DRIVE REBUILD FOR A PAPER PLANT IN RECORD TIME

CUSTOMER PROFILE:

A paper mill in need of a solution with no downtime

THE PROBLEM

The customer's existing cycloidal drive assembly was tripping out the motor. An emergency inspection by the B&D Service team revealed the unit had seized, damaging many of the internal components. The damaged drive assembly is a vital, made to order item, and the customer had no spare parts available.

THE SOLUTION

B&D Service quickly designed, engineered, built and assembled a planetary gear drive replacement using our valuable partnership with SEW-Eurodrive. The concept involved removing the upper cycloidal section of the gear drive while maintaining the lower housing section required to handle radial forces during operation. The change to a planetary design required a complete redesign of the bearings, shafts and mounting concept.

This solution was conceived on a Thursday night and approved on Saturday. Design drawings and engineering were completed by the next night. Other necessary and critical components were built on an emergency basis and were ready for assembly just one week later.

B&D Service delivered the new unit, a complete replacement, to the mill within the time limits required. Installation time was minimal, and the mill was able to start up without additional downtime. B&D Service completed the job, including installation, before our competitors had even offered a solution.

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