



ENVIRONMENTAL TECHNOLOGY

Huge cost savings for US company with Magtecta unit

A US paper manufacturer has reported savings of more than \$27,000 over just three years following the installation of an AESSEAL® MagTecta™ unit.

The company was incurring high repair and maintenance costs because of a deficient seal system on a hydropulper gearbox. The problems arose from the fact that there was no seal on the top plate. A flinger ring mounted to the shaft above the top case plate was all that was keeping water and stock from getting into the gearbox and contaminating the oil.

This meant frequent oil changes and annual rebuilds, as well as significant downtime for removal and installation. The company approached AESSEAL® in search of a solution. AESSEAL's remedy was to flatten the top plate to accept a large MagTecta™ seal which is a 8.250" x 9.500" flanged unit. The key element in this application was the ability of the MagTecta™ to run in an oil-splashed environment while keeping contaminants from entering the system.

The unit was installed in June 2018, and immediately proved itself successful in keeping stock and water from entering the gearbox. This in turn greatly reduced the need for frequent oil changes, cut downtime, and kept the gearbox in service for over two years until the time for a scheduled rebuild. The machine shop manager acknowledged the benefits. "This seal has saved us a lot of time," he said.

As well as saving time, the MagTecta™ unit has also saved the company a significant amount of money, not only in repair and maintenance costs, but also in greatly reducing the amount of waste oil, which costs money to dispose of. Replacing the 50 gallons of oil was costing the company over \$1500 dollars a time. A rebuild was costing almost \$12,000 for parts and an additional \$2,400 in labour. In all, total savings so far resulting from the installation of the MagTecta™ amount to more than \$27,400.

'Savings of more than \$27,000 in three years'

Industry:	Pulp & Paper
Product:	MagTecta™
Application:	Hydrapulper gearbox
Savings:	>\$27,400
Reference N.O:	TD3074241



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