

RECORDED BENEFITS

- Reduced machine breaks by 9%
- Increased production 7%
- Elimination of blade sticking
- Increased blade life
- Blade wear decrease of 3.5 mils/h
- Reduced effluent treatment costs
- Reduced insurance costs for flammable materials

AfH Towel Manufacturer Increases Production, Improves Environmental Safety

Rezsol™ CS3260 Release Agent

Customer Challenge

An AfH producer of towel and napkin products needed to upgrade their traditional oil release program. Their wet crepe fourdrinier machine produces products from 100% recycled fiber and the same package had been in use for over 5 years. Upon startup after a Yankee grind, they had to run elevated levels of release agent to meet their productivity targets. As a result, high levels of oil caused issues meeting permit levels in mill effluent.

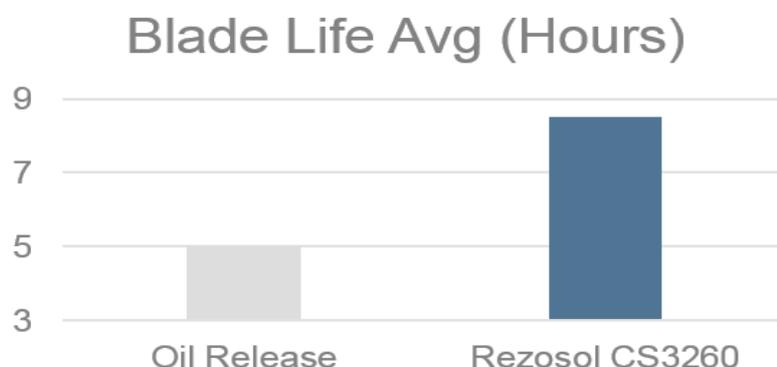
Recommended Solution

After evaluating other oil-based release products, the mill decided to run a trial of Rezsol CS3260. This technology does not use traditional active ingredients eliminating the need for oil-based release in a wet crepe operation. Key monitoring parameters were machine speed, dry and wet tensile, drying and blade life.

Results Achieved

The benefits of the product change surpassed all expectations. Performance around the doctor blade shifted dramatically, with elimination of blade sticking and reduced blade wear resulting in increased doctor blade life, less machine breaks and higher production.

From an EH&S standpoint, this shift away from oil based chemistry also had a financial impact. The final mill effluent limits were well within specifications for oil & grease and a flammable product was eliminated on the site insurance policy.



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