

### RECORDED BENEFITS

- >90% reduction in Fats, Oils and Greases (FOG)
- Up to 15% increase in tensile:
  - Increased broke inclusion in the core layer (up to 5%)
  - 10% reduction in refining and Natural Gas savings of \$6/ton
  - Increased speed by 20 m/min
- Improved worker safety profile:
  - Not hazardous
  - No exposure limits
  - Higher flash point than mineral oil
- Visit our [tissue & towel](#) page to explore our products and services and latest innovations.

## Innovative TAD Release Delivers Strength, Operating Efficiency and Cost Savings

### Rezsol™ 1848 Release Agent

#### Customer Challenge

A tissue and towel mill in North America was challenged with its current TAD fabric release program contributing to oil in the mill water discharge, leading to higher than desirable levels going to the municipality. The mill was under pressure to reduce or eliminate fats, oils and grease (FOG) from their effluent discharge stream as part of their ongoing operation. Traditional TAD fabric release oils contribute +85% of oil to the wastewater streams.

#### Recommended Solution

Solenis recommended the use of Rezsol 1848 release agent, a patented mineral oil-free microemulsion to replace the traditional oil-based product. Other benefits of Rezsol 1848 include its GHS profile, with no hazards or product exposure limits and a higher product flash point than traditional oils.

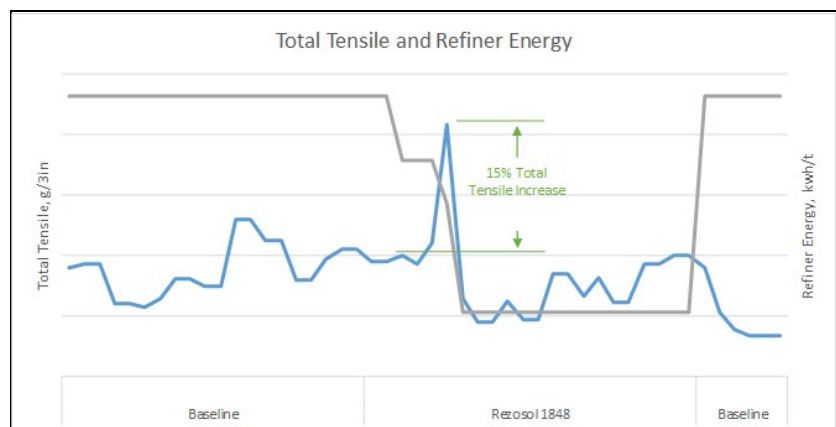
#### Results Achieved

The customer experienced the following benefits:

- Reduced machine room haze
- Comparable machine hygiene to incumbent
- FOG reduction in the effluent discharge
- Repeatable, reproducible tensile gain

The customer has leveraged the tensile gain several ways:

- Increasing machine speed
- Saving on natural gas and reducing carbon emissions
- Substituting lower cost fiber



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