

RECORDED BENEFITS

- Improved level of tall oil production
- Improved quality of tall oil
- Reduced acid usage
- Reduced costs

Tall Oil Separation Aid Helps Customer Improve Production and Reduce Costs

Infinity™ PS3040E Tall Oil Separation Aid

Customer Challenge

A pulp mill located in Europe wanted to improve the level of tall oil separation within its process to offset the increase in tall oil pricing that was being experienced in the market.

The mill was experiencing poor separation resulting in tall oil being burned in the recovery boiler. The consequence was a bottleneck in the fiber line production.

Recommended Solution

Solenis recommended treatment using its unique Infinity PS3040E tall oil separation aid, which is designed specifically to coalesce tall oil particles and increase raising rate.

The product was dosed at 400 ppm to soap before acid dosing replacing an existing competitive product.

Results Achieved

- Yield increased compared to existing treatment
- An extra 20 tons of tall oil produced per day
- Less water in final tall oil
- More black liquor was burned in recovery boiler
- Estimated benefit for the client €1M



Figure 1: Brine sample, untreated contains tall oil



Figure 2: Brine sample, treated with Infinity PS3040E, only spent acid and CaSO₄

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