



Spring 2008

Increase Plate Life while Maintaining Pulp Quality in OCC Refining

Pulp quality has always been an objective in OCC refining and is a necessary requirement for the pulp being fed to the paper machine. Many plate patterns are designed in an effort to fulfill this objective. Even though some patterns achieve the pulp quality desired, they tend to deliver less than satisfactory plate life.

Plate designs have been created and proven effective in reaching OCC pulp quality objectives. But due to the inherent aggressive nature of OCC refining, the plates tend to have short plate life due to groove plugging from plastics, wood, and miscellaneous debris found in OCC furnish. In addition, hydraulic capacity can reduce over time as the refining bars wear down.

Is it possible for mills to achieve quality objectives without sacrificing plate life?

Most definitely, thanks to advancements made in plate design.

Mills can increase plate life drastically and maintain pulp quality with J&L's PowerCast™ Technology with ReverseFlare™. It's the best of both worlds. ReverseFlare consists of anti-plugging grooves and PowerCast provides a zero degree draft bar angle allowing for a greater amount of open area and capacity. Plus, PowerCast fillings have taller casted bars that are strong enough to combat the obstacles of OCC refining. Now, mills can expect longer plate life while continuing to meet their OCC pulp quality objectives.

Contact your J&L representative to find out how the success of PowerCast with ReverseFlare can be applied to your situation.

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