



Blackmer C-Series Eccentric Disc Sealless Pump Replaces Rotary Lobe Pump to Increase Mean Time Between Failure from 8 Hours to 3 Years



A soap manufacturer was experiencing significant difficulty handling its soap additives due to the abrasive nature of its polymer base. The polymer base was made up of solid particles of 75 micron, which were enlarging the sanitary rotary lobe pump's internal clearances and degrading the pump's efficiency and performance. The solids also reduced the mechanical seal life to only 8 hours.

The company replaced the lobe pump with a Blackmer C-Series C12I eccentric disc sealless pump, with clean-in-place technology. The C-Series pump is a sanitary positive displacement pump capable of passing solids of up to 3 mm without damage to the pump or solid material.

Blackmer's C-Series is a sealless pump with no dynamic shaft seals and no magnetic couplings, solving the mechanical seal failures experienced with the rotary lobe pumps. The low internal velocities and minute movement of the pumping chamber enable the stainless steel C-Series pump to process abrasive materials with very little wear, significantly improving the customer's uptime performance and reducing maintenance costs. The C-Series pump also reduces pump-induced product shearing by 7 to 8 times over a rotary lobe pump. It self-adjusts for wear so there is no degradation of performance over time. By switching to the C-Series, this customer increased meantime between failures from 8 **hours** to 3 **years**.

For more information on Blackmer C-Series Eccentric Disc sealless pumps, please visit us at www.blackmer.com.

We welcome your feedback and hope you find this information useful.

Respectfully,

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[C-Series Spec Sheet \(PDF\)](#)



[Transfer and Process Flow Solutions Brochure \(PDF\)](#)

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