

Cosmetic Oil Based Slurry

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Waukesha
Cherry-Burrell®

Pump:

Waukesha Cherry-Burrell Brand - [Universal 2 Series PD Pump](#)

Industry:

Cosmetics Manufacturing

Problem:

Transferring abrasive, low viscosity product. The abrasive product caused excessive wear and pre-mature failure of the existing lobe style pumps.



In the production of an antiperspirant stick, a large cosmetics manufacturer had a problem moving an oil base slurry containing abrasive talc and aluminum chlorhydrate particles to a filler. In this application the pump continuously feeds product in a closed loop to the filler. The product is also heated at all times to prevent the solids from settling and solidifying.

Solution:

The Waukesha Model U2-030 pump with single mechanical seals was selected to replace the existing pumps for the application. The unique features of the External Circumferential Piston ([“ECP” style rotors](#)) provide a long slip path which has proved to efficiently pump low viscosity product (50-500 cps) without allowing product to “slip” back through the tight clearances of the pump. The reduced slip minimized the erosive pump wear.

The selection of this WCB brand [U2-030](#) pump allowed the customer to maximize process uptime and minimize total cost of ownership.