

# BLACK LIQUOR SOAP

A natural intermediate byproduct of kraft pulping, black liquor soap is the rosin and fatty acid content that floats to the top as black liquor is left to settle. It is skimmed off and can be used as a raw material for tall oil production. Black liquor soap can be abrasive and have varying viscosities, making it a challenge to pump and seal.



## SUGGESTED PUMPS:



### 1124A SERIES™

- Cast Iron
- O-Pro® Barrier Seal to virtually eliminate leaking & mess associated with traditional packed pumps
- Hardened materials
- Capacities to 400 GPM



### 1127A SERIES™

- 316 Stainless Steel
- O-Pro® Guard Seal to virtually eliminate leaking & mess associated with traditional packed pumps
- Capacities to 335 GPM



### 1224A SERIES™

- Cast Iron
- Jacketed for steam / oil prior to pump startup
- O-Pro® Barrier Seal to virtually eliminate leaking & mess associated with traditional packed pumps
- Capacities to 400 GPM

## BLACK LIQUOR SOAP APPLICATIONS:

- Soap transfer during recovery process at the mill
- Soap transfer at tall oil refinery
- Rail car and truck loading & unloading

**Note:** O-Pro® Barrier Seal is patented.  
O-Pro® Guard Seal is patent pending.

## VIKING IN THE PROCESS:

Viking pumps are used in wood pulping mills to transfer black liquor soap during several steps in the soap recovery process. They also serve as the main feed pump, delivering black liquor soap to tall oil facilities. Viking internal gear pumps with abrasive-resistant features handle the wide range of viscosity and abrasives, while offering consistent flow even with varying system pressures. The O-Pro® seal prevents leakage that is seen with traditional packing. Whether transferring from a soap collection trough, loading a rail car or feeding a tall oil facility, Viking internal gear pumps provide a reliable pumping solution.

**INTERESTED IN A PRODUCT? CONTACT YOUR STOCKING DISTRIBUTOR TODAY!**

**VIKING PUMP®**



[vikingpump.com/contact](http://vikingpump.com/contact)

© 06/2021 Viking Pump, Inc. All rights reserved.