

APPLICATIONS

PUMPS



OPERATION:

A diesel powered CAT PUMP model 6024 proves effective in removing bark from freshly cut white oak. This high pressure debarker follows the line of the bark and avoids costly downtime due to jams common in mechanical debarkers.

Mechanical debarking has been the best known means of removing bark, however it has many shortcomings. The initial cost generally runs in excess of \$25,000 and the expensive tungsten carbide chippers must be replaced every three days. Mechanical devices require constant preventative maintenance and are easily jammed with crooked or knotted logs.

Through testing it has been found that 12 GPM, 5000 PSI and a 0° nozzle can effectively remove bark from freshly cut white oak. Using high pressure water for debarking eliminates timely and costly jams, cleans the logs before milling, increases saw blade life, provides better paper products and a cleaner operation for reduced costs.

DEBARKING

File No. 104

Section 4

PROBLEM:

To find a better method of removing bark than the standard mechanical process.

SOLUTION:

Develop a high pressure water debarking system.

SPECIFICATIONS:

CAT PUMPS Model	6024
Pressure	5000 PSI
Flow	12 GPM
Temperature	Ambient
Fluid.....	Water
Duty Cycle	Continuous
Drive	Diesel Engine

BENEFITS:

- Reduces the initial investment costs.
- Avoids expensive daily maintenance and constant preventative maintenance.
- Eliminates jams and waste due to crooked or knotted logs.
- Reduces downtime.
- Eliminates costly replacement of “chippers”.

“Customer confidence is our greatest asset”

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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