



QM Bearings

CASE STUDY



LUMBER/SAWMILL

“Our Regional Sales Manager at QM Bearings is a great guy. He tries hard, he’s not pushy, and he never lets us down.”

MAINTENANCE SUPERINTENDENT

THE MILL LOOKS TO QM BEARINGS FOR A SOLUTION THAT LEADS TO LESS THAN HALF THE EXPECTED DOWNTIME AND SAVES MORE THAN \$9000.

THE CHALLENGE

When the Maintenance Superintendent at a major sawmill in North America was faced with a failed pivot shaft bearing on a 35-inch VK Brunette Debarker feed roll, he knew he had to come up with a solution quickly to avoid excessive labor, parts, and downtime costs.

At the time of the failure, each pivot shaft had four FCE415R bearings. To change these bearings usually required a new pivot shaft, four new bearings, four workers, and about 32 hours of downtime. This particular failure happened to be an outer bearing, and the Superintendent was curious if there was a way to replace this bearing without having to completely remove and replace the pivot shaft and the other bearings. With only 3” of shaft to work



Because of the specific dimensions and seal availability, the mill was able to replace the outer bearing on their 35-inch VK Brunette Debarker feed roll without having to remove the entire shaft and replace all four bearings, saving time and money.

COMPANY PROFILE

COMPANY

An integrated forest products company producing lumber, wood chips, fiberboard, plywood, pulp, linerboard, kraft paper, and newsprint.

INDUSTRY

Integrated Forest Products

NUMBER OF LOCATIONS

30

PRODUCTS

Softwood Lumber

QM BEARINGS PRODUCTS

Blue Brute QMCW26J415S



with, he had to come up with 1) an approach to remove the old bearing, and 2) a suitable replacement bearing that would be easy to install, but perform solidly.

THE QM BEARINGS SOLUTION

Fortunately this time the failed bearing was an outer one and they came up with the idea to "torch off" the old bearing and, because of the performance of QM Blue Brute bearings on a smaller de-barker, decided to install a new QMCW26B415S Blue Brute eccentric lock flange bearing on the opposite side of the wall. This required a short length-through-bore piloted flange, as there was only 3" of shaft to work with.



With a limited amount of shaft to work with, QM Bearings was able to come up with a solution for the mill that limited their downtime to less than one day - including the time it took to "torch off" the failed bearing.



QM Bearings products outlast the competition, while their service outperforms the competition

THE RESULT

The QMCW26B415S fit perfectly and saved the mill time and money, allowing them to replace just one bearing rather than pulling the whole shaft assembly out and replacing all four bearings. Although there was an immediate cost savings of approximately \$9400, QM Bearings was able to provide them with more than just cost savings. The durability of the Blue Brute bearings has provided the mill the peace of mind that competitors cannot match.

DISTRIBUTED BY:



North American Locations: Western CA – Prince George, BC Eastern CA – Mississauga, ON Western US – Ferndale, WA Eastern US – Cuyahoga Falls, OH Southern US - Irving, TX

QM Bearings designs, manufactures and markets rugged Blue Brute bearings, Quick-Flex couplings and rigid compression couplings. The company's precise manufacturing methods and innovative solutions have won over thousands of customers in over 40 countries For more information, visit www.qmbearings.com for the distributor nearest you or call **800.661.7991** (Canada) and **800.661.5568** (U.S.)

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