



Context of the customer's problem

ROX

Location: Brazil

Application: Wood chip separator

Application conditions: Indoor installation in dusty environments (wood chips)

Customer requirements: Increase the reliability and durability of systems, reduce maintenance operations and eliminate unplanned downtime

Products previously used: Bearing units: Several other solutions have been tested in the past, including open spherical roller bearings - none of them gave good results

NTN's recommendation

- ROX is a solution that is 100% interchangeable with standard open ISO solutions on the market
- Deflectors provide protection against dust
- Increased grease retention inside the bearing

Results

10 ROX bearings 22210EAW33ZC3 were tested and are still operating after 10 months of use

► **Minimum service life 5 times longer** than the solution from competition

For a period of 10 months	Number of downtimes	Material costs	Production downtime costs	Maintenance costs	CUSTOMER BENEFIT	
Previous solution	5 (every 2 months)	€3 073	€683 168	€273 267		ROX* solution (1 year extrapolation)
New ROX solution	0 (still in operation)	€2 911	€136 633	€54 653		Savings €918 373

*Savings estimated by the customer

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