



Context of the customer's problem

Location: Brazil

Application: Wood chip separator

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

Customer requirement: 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 recommendation

- KIZEL® is 100% interchangeable with the standard market open solutions
- Its deflectors provide protection against dust
- Grease retention inside the bearing is x 3, for optimised service life

Results

Test of 10 22210EAW33ZZC3 bearings, still running after 10 months of use

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

For a period of 10 months	Number of stops	Costs			KIZEL® savings* (1 year extrapolation)
		Material cost	Production downtime	Maintenance	
Previous solution	5 (every 2 months)	3 073 €	683 168 €	273 267 €	918 373 €
New solution KIZEL®	0 (still running)	2 911 €	136 633 €	54 653 €	

*Savings estimated by the customer.

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