



## 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

- KIZEI® 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	Material cost	Costs	
			Production downtime	Maintenance
<b>Previous solution</b>	5 (every 2 months)	3 073 €	683 168 €	273 267 €
<b>New solution KIZEI®</b>	0 (still running)	2 911 €	136 633 €	54 653 €

**KIZEI® savings\***  
(1 year extrapolation)

**918 373 €**

\*Savings estimated by the customer.

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