



## CONTEXT OF THE CUSTOMER'S CHALLENGE

**Place:** Turkey

**Application:** Quarrying and Mining /Drilling machine

**Usage conditions:** Harsh environment with water infiltration, contamination and abrasive particles

**Customer requirements:** Limit regular failures and increase the bearing life time

**Product in use:** 6208 with seals

## NTN'S RECOMMENDATION

Due to highly abrasive conditions:

- Negative impact on lubrication has been detected
- Following expertise, recommendation to reinforce the sealing properties of the bearing
- Test of NTN's **6208LLUCM/5K**, fitted on 3 machines
- Special design of the seal and the inner ring groove for high performance sealing



## RESULTS

- ▶ **Service life is at least increased by a factor of 3** compared to the sealed solution previously mounted.

	Number of maintenance periods (per year)	Total maintenance + gear cost (per year)
Previous solution	9	15 120 €
<b>NTN Ball Bearing with LLU</b>	<b>3</b>	<b>5 040 €</b>



**NTN LLU SEAL: FOR OPTIMAL AND LASTING PROTECTION!**



Polluted to heavily polluted environment



Excellent water and particle resistance



Maximum lubrication retention

**ANNUALIZED COST SAVINGS**

**10 080 €**

Reduced maintenance intervals  
Less spare part usage

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