SUCCESS STORY
COPPER MINING

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

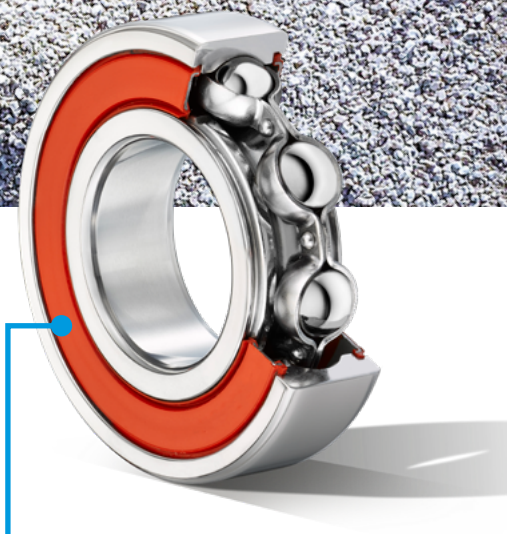
Customer requirements: Limit regular failures and increase the bearing life time

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



NTN LLU SEAL: FOR OPTIMAL AND LASTING PROTECTION!

- Polluted to heavily polluted environment
- Excellent water and particle resistance
- Maximum lubrication retention

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 €
NTN Ball Bearing with LLU	3	5 040 €

ANNUALIZED COST SAVINGS

10 080 €

Reduced maintenance intervals
Less spare part usage

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