07 3186 0203
sales@greaseboss.com.au
www.greaseboss.com.au

6/1 metier linkway
birtinya, qld
australia 4575

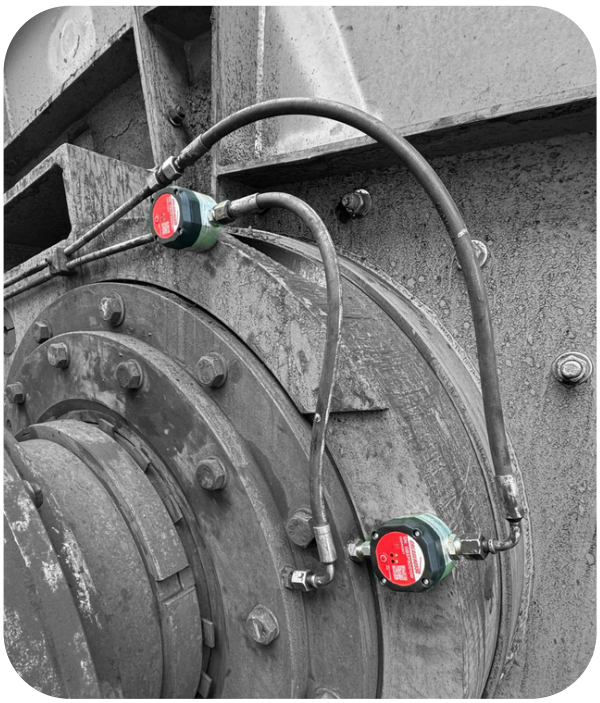
ELIMINATING MINING SIZER BEARING FAILURES

GreaseBoss successfully improved lubrication management and eliminated grease related failures on a Queensland coal mine's crushing circuit by implementing the **Critical Point Monitoring solution.**

CHALLENGES FACED

A Tier 2 coal mine in Queensland was experiencing **a major failure occurring every two months, costing the mine $8 - $13.5m per failure in lost production.**

Incorrect lubrication was identified as the root cause of most of these failures. All of the sizers had been installed with an automatic lubrication system by the OEM, which was tuned and managed by the OEM.



SOLUTIONS PROVIDED

GreaseBoss implemented the **Critical Point Monitoring solution,** installing 52 **Endpoint LF** units on the two crushing trains.

This solution provided near **real-time lubrication volume data**, allowing for immediate **comparison of planned vs actual greasing volumes** to the engineering design.

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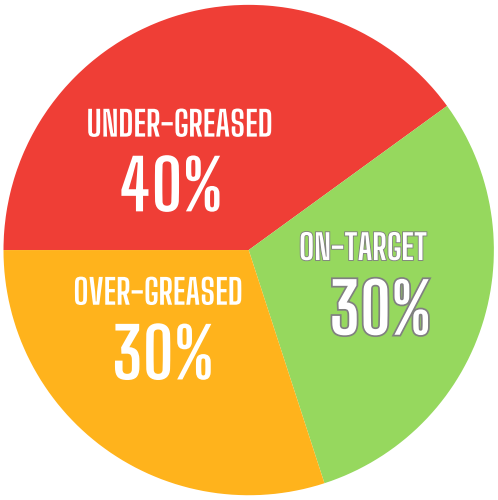
MEASURABLE OUTCOMES

PLANNED VS ACTUAL COMPLIANCE REPORTS

The day after installing the Critical Point Monitoring solution using Endpoint LF units, it was found that **only 30% of grease points were greased properly.**



DETECTED AUTOLUBE PUMP FAILURE

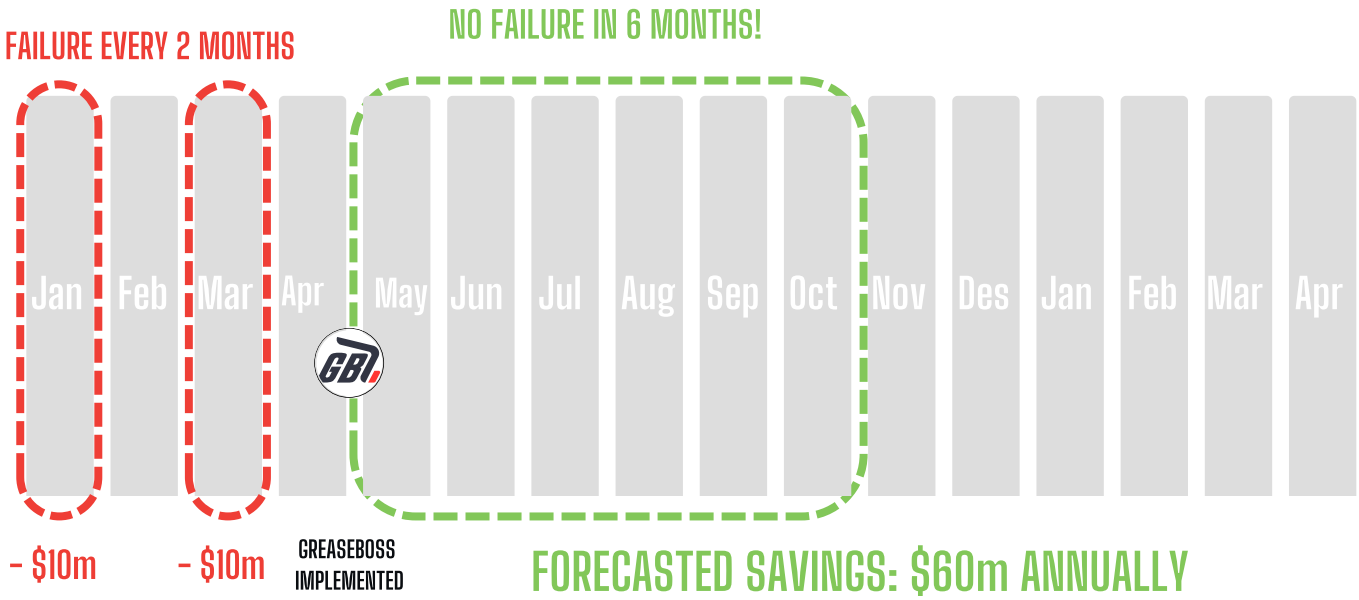
Adjustments were made to ensure each grease point received the correct volume. Six months later, **a failed autolubricator pump was flagged** by GreaseBoss data, which went unnoticed by site SCADA systems and site inspection.

This allowed for timely replacement before any bearing failures occurred. There has been **no grease-related bearing failures on the sizing equipment since the installation.**

RETURN ON INVESTMENT

The estimated savings for the customer was $60m annually for a $50,000 investment.

ROI = 120,000%



LUBRICATE WITH CONFIDENCE