



CASESTUDY

Machine Model: **XL1100**

Crushing Type: **Pebble & Secondary**

Mine Type : **GOLD**

Location: **Canada**

PROBLEM

Eccentric RTD's were getting damaged when the Lower Thrust Bearings were installed but this was not known until the crusher was assembled and operating. To fix the issue the entire crusher would need to be disassembled again which creates a loss of production time. Alternatively the crusher would be operated without the use of these sensors which added operational risk.

SOLUTION

A new Lower Thrust Bearing was designed to provide more reliable assembly and reduce the time to change the RTD's. The position of the RTD was moved to reduce the risk of damaging the RTD wires when doing maintenance in the crusher.

RESULT

RTD readings became consistent and reliable. 1-3 hours were saved during shutdowns when Lower Thrust Bearings were removed. The amount of Eccentric burn-ups reduced and overall crusher availability increased.



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