

Condition monitoring of cone crushers brings huge savings

A digital system issues maintenance-oriented warnings before standard DCS alarms

SITUATION

A mine using the Sandvik cone crusher with lubrication and hydraulic unit

- Air filter saturation
- Dust contamination into hydraulic unit
- Oil filter saturation by dust

SOLUTION

Asset Monitoring for lubrication and hydraulic unit

- Condition Monitoring System integrated to Control System
- Applicable to Sandvik cone crusher CTHS 660 and 440 models
- First alarm at pressure drop
- Second alarm at pressure equalization

SUCCESS

Production, repair and spare parts savings

- Avoided downtime of 72H (if parts available)
- Further savings on parts subjected to wear by dust contamination, man-hours to clean the system and change parts, parts logistic costs, if urgent

MINING, AMERICAS, 2018



SCOPE OF DELIVERY

- [ABB Ability™ Asset Vista Condition Monitoring for mining](#)

BENEFITS

