Condition monitoring of stackers prevents downtime
A digital system issues maintenance-oriented warnings before standard DCS alarms

SITUATION
Stackers at mining site
Considerable pressure difference between luffing cylinders, above normal operational level, indicated by OEM with the following consequences:
- If confirmed that sensors connections are switched, inconsistent feedback for luffing elevation control
- If confirmed failure of pressure distribution control system, luffing cylinders warpage

MINING, AMERICAS, 2018

SOLUTION
Asset Health Index Dashboard and Faceplate details
- Alarmed conditions
- Severity level
- Possible causes
- Suggested actions
- Condition Monitoring System integrated to Control System

SCOPE OF DELIVERY
- ABB Ability™ Asset Vista Condition Monitoring for mining

SUCCESS
Production, repair and spare parts savings
- Maintenance-oriented warnings before standard DCS alarms
- Avoided downtime
- Further savings on parts, man-hours and parts logistic costs

BENEFITS
OPEX
$300k
Availability
1%
Throughput/yield
$4.95m