Challenge Identification

To maximize the useful life and availability of CAEX tires against potholes and variable road conditions

Area	Mine Operations
Problem Description	CAEX tires are one of the most costly and sensitive components. Potholes, road irregularities and deformations generate severe impacts, cuts and accelerated wear. Detection is usually reactive, and route planning or operator alerts are not optimal. In light of this, the focus is on achieving technologies that monitor tire health, identify critical impacts and deliver information to work on roads before they compromise the useful life or generate low pressure issues, punctures and structural cuts, mechanical tire separation, etc.

Expected Results

To minimize loss of operational continuity (135,000 hours in the past year)

Scope

To change the strategy | Standarized work | To minimize total cost ownership