

CASE STUDY

BIRRANA™ ENHANCED WHEEL GROUP PERFORMANCE

H-E PARTS INTERNATIONAL (H-E PARTS) PROVIDES SOLUTIONS FOR THE ENTIRE DRIVETRAIN, SPECIALIZES IN THE RE-MANUFACTURE OF MAJOR MOBILE EQUIPMENT COMPONENTS, AND OFFERS INDUSTRY LEADING BIRRANA™ PRODUCTS. THE ENHANCED DESIGN FEATURES OF THE BIRRANA™ PRODUCTS DELIVER EXTENDED LIFE, EASE OF MAINTENANCE, AND SUPERIOR PERFORMANCE.

H-E Parts has had a long history of providing Barrick Gold Corporation (Barrick) with global solutions to improve mine maintenance practices. Following a long partnership with Barrick's Pierina mine, Barrick's Lagunas Norte operation engaged H-E Parts to provide a Komatsu 730E-7 wheel group repair program. The Lagunas Norte open pit gold and silver mine is located within the Alto Chicama property in north-central Peru, with the property located on the western flank of the Peruvian Andes at an elevation of 4000 meters (13,100 feet) above sea level.

H-E Parts put a maintenance regime in place and Lagunas Norte implemented the wheel groups. This involved re-manufacturing the 730E-7 wheel groups incorporating H-E Parts proprietary Birrana™ enhancements, which included:

- The Birrana™ control fit wheel bearing system, which includes flexible spacer, hardened spacer, custom bearing design and specifications, and preload adjustment.
- Birrana™ brake wear gauge allowing easy and fast brake wear measurement, reduced downtime, and improved safety.

Once in production, Birrana™ enhanced wheel groups accomplished the required planned component replacement (PCR) time-frames while also achieving a lower cost per operating hours. The product quality and service received by Barrick was expected with H-E Parts having previously supplied front and rear wheel groups for their fleet of Caterpillar 785D haul trucks operating at Barrick Pierina mine site. H-E Parts has now delivered over 40 wheel groups to Lagunas Norte.

Unlike other service options available to Lagunas Norte, H-E Parts has the ability to provide major mobile component solutions across a range of equipment brands. This allows our customers a single maintenance solution for their mobile fleets, which is backed by decades of global experience and performance.

CUSTOMER	Barrick Gold Corporation - Lagunas Norte
LOCATION	Peru
APPLICATION	Komatsu 730E-7 truck fleet
PRODUCT	Birrana™ enhanced wheel groups



H-E Parts re-manufactured 730E-7 wheel group

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