

# CASE STUDY

## BIRRANA™ ENHANCED WHEEL GROUPS

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.

At H-E Parts, we are adept at providing solutions for contractors with mixed equipment fleets through the supply of our Birrana™ enhanced wheel groups for both electric and mechanical drive mixed fleets. Contractors need reliable components to support their operations which is why longterm customer, Downer EDI (Downer), continues to partner with H-E Parts for major component supply.

To date, H-E Parts has supplied 100+ Birrana™ enhanced front and rear wheel groups annually for a variety of Downer’s Australian operations across a range of CAT 773, 777, 785, 789 and 793 trucks, D11 dozer’s and 24M grader’s, Komatsu 830 and 930 and Unit Rig MT4400 trucks.

Our Birrana™ brand is backed by a dedicated engineering Center of Excellence based in Adelaide, Australia that ensures our global re-manufacturing and distribution centers adhere to global best practices and are supported with the latest technical advancements. This allows re-manufacturing of components back to zero hour life and lets our customers benefit from extended component life, increased ease of maintenance and superior performance.

H-E Parts proprietary Birrana™ enhancements include:

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

In addition to the supply of our Birrana™ wheel groups, H-E Parts have the capability to and have also supplied Downer with additional major drivetrain components such as wheel motors, transmissions, torque converters, suspension, pumps, differentials, brakes, engines, cylinders and COR Cooling™ radiator assemblies.

At H-E Parts, our engineering and remanufacturing teams work closely to ensure customers receive the highest quality parts and components while lowering equipment total cost of ownership.

CUSTOMER	Downer EDI
LOCATION	Australia
APPLICATION	Haul trucks, dozers and graders
PRODUCT	Birrana™ wheel groups



H-E Parts International replacement parts are compatible with the makes and/or models of the third-party equipment described. H-E Parts International is not an authorized repair facility of these third parties and it does not have an affiliation with any manufacturers of these third-party products. All brands, original equipment manufacturer (OEM) part numbers or references are owned by the respective OEM entities or their affiliates. These terms are used by H-E Parts International for identification and cross reference purposes only and are not intended to indicate affiliation with, or approval by the OEM, of H-E Parts International or its products.