

INNOVATION.  
NOT DUPLICATION.™



## D11T FULL DRIVE TRAIN CHANGE-OUT

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. H-E PARTS SUPPLY COR COOLING™ APPLICATION SPECIFIC HEAT TRANSFER SOLUTIONS, WHILST ALSO PROVIDING A FULL ENGINE AND TRANSMISSION RE-MANUFACTURING SERVICE OFFERING. H-E PARTS ACHIEVE ADDED VALUE BY PROVIDING FIT-FOR-PURPOSE DESIGN, INNOVATION THROUGH ENGINEERING AND QUALITY THROUGH SERVICE PERFORMANCE. AT H-E PARTS WE LIVE BY OUR PROMISE TO OUR CUSTOMERS, BY COMMITTING TO PROVIDE INNOVATION. NOT DUPLICATION.™

### SERVICE EXPERTISE AND DELIVERY

A global mining company (the customer) with a metallurgical coal mine-site located in the Bowen Basin region of Queensland, Australia had a bogged Caterpillar D11T dozer. The dozer had completed 18,000 hours but due to bogging had suffered water entry into major components.

The customer had many service options available to them but chose H-E Parts as we were able to complete the project in-line with their maintenance schedule. Additionally, due to previously demonstrated, consistent product performance and service delivery, the customer was confident that their expectations would be met. By offering a complete solution rather than individual components, H-E Parts were able to expedite delivery ensuring the customer minimized machine downtime which in-turn reduced total cost of ownership.

LOCATION	Coal Mine, Australia
APPLICATION	Caterpillar D11T Dozer
SERVICE	Full drivetrain change out including:
PRODUCTS & SERVICES	<ul style="list-style-type: none"><li>■ Birrana™ final drive and steering, clutch and brake (SCAB's)</li><li>■ COR Cooling™ radiator</li><li>■ H-E Parts rebuilt engine, torque converter, transmission and bevel gear</li></ul>

# D11T FULL DRIVETRAIN CHANGE-OUT

## PROPRIETARY PRODUCT INNOVATIONS

At H-E Parts our reputation and ability to supply one solution and all major components was a key deliverable in the customers purchase decision. Additionally, the ability to accelerate service delivery was possible with H-E Parts;

- Capability to provide an engine, torque converter, transmission and bevel gear straight out of service exchange stock.
- Managing the entire process including component removal, associated repairs, transport, site labor and post service monitoring.

Whilst the engine and drivetrain components that were available in stock were being installed, H-E Parts were able to rebuild the Birrana™ enhanced final drives, SCAB's and COR Cooling™ radiator incorporating our own proprietary technology and upgrades.

H-E Parts is committed to enhancing components that afford the end user more reliable and efficient equipment performance. Our Mining and Engine Solutions divisions work collaboratively to ensure engine and complete drivetrains perform as expected and to the best standards possible through shared technology, information and innovations. These include;

- Birrana™ proprietary technology and service specifications extend component life, promote maintenance efficiencies and increase performance.
- H-E Parts engines undergo proprietary balancing, crack testing and engine testing that reduces premature parts failures and improves equipment availability and performance. Similarly, our transmissions and torque converters are repaired using proprietary setup procedures and bearings.
- COR Cooling™ products are designed utilizing proprietary software to suit site specific applications, incorporating innovative aluminum fin designs to aid air flow, heat transfer and resistance to corrosion.

Following the complete repair and transport of the D11T dozer back to the customers site, the machine was commissioned back into production successfully.

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.

