

**INNOVATION.
NOT DUPLICATION.™**



ENGINE SOLUTIONS

POWERTRAIN TESTING

H-E PARTS INTERNATIONAL (H-E PARTS) SPECIALIZES IN IMPROVING ENGINE PERFORMANCE FOR OUR CUSTOMERS IN THE COMMODITY AND ENERGY MARKETS. UTILIZING OUR STATERRA POWER™ ENGINE TECHNOLOGY AND STATE-OF-THE-ART REMANUFACTURING FACILITIES, WE PROVIDE OUR CUSTOMERS TAILORED SOLUTIONS AND SUPERIOR, LONGER LASTING ENGINES.

Continuing with our commitment to provide customer focused solutions, H-E Parts have the capability to fully test a wide range of Caterpillar transmissions, torque converters, as well as steering, clutch, and brake groups on our purpose-built hydraulic test bench. This ensures that H-E Parts maintains control of the entire service life-cycle, from disassembly to re-build, and final testing. This affords the customer complete assurance that all work carried out is to H-E Parts standards, whilst delivering a rebuilt powertrain component that can be relied upon to maximize availability, and performance while also delivering a lower total cost of ownership to the customer.

TESTING CAPABILITIES

H-E Parts' powertrain test bench is capable of detecting, diagnosing, and reporting on the following parameters:

- Measures input drive speed, pressure, and flow rates including clutch pressure and leakage rates, as well as input and output lubrication pressures
- Digital read out low pressure gauges to test and adjust transmission initial clutch engagement pressures for off-highway trucks
- Checks are carried out for correct operation, mechanical binding, any external leaks, and vibration detection
- Magnets and screens are used to identify abnormalities or debris during test procedure

POWERTRAIN HYDRAULIC TEST BENCH

TECHNOLOGY

H-E Parts' powertrain testing utilizes the latest shift analyzer along with software and test harnesses that align to strict quality and proprietary test procedures. Testing is available on a wide range of late model components, with a full suite of test reports available that document all final results that meet with OEM specifications for each component.

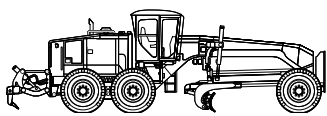
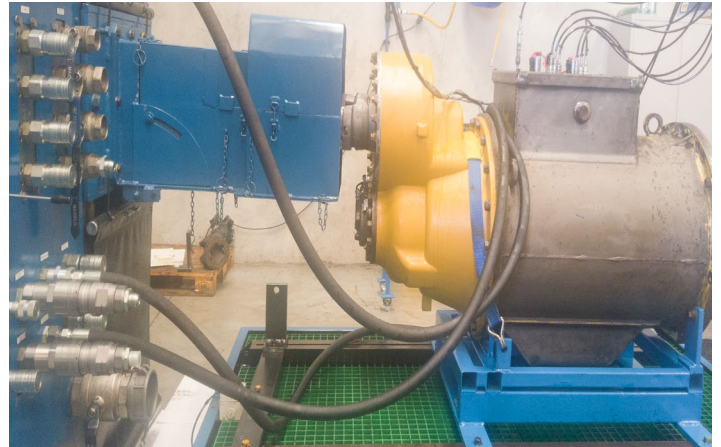
COMPLETE POWERTRAIN SOLUTIONS

In addition to H-E Parts' engine and powertrain offering, our Mining Solutions division offers our customers a full drivetrain solution with Birrana™ enhanced wheel groups offering extended component life, maintenance efficiencies, and increased performance. Similarly H-E Parts COR Cooling™ radiators and coolers incorporate innovative aluminum fin designs that aid air flow, heat transfer and are more resistant to corrosion.

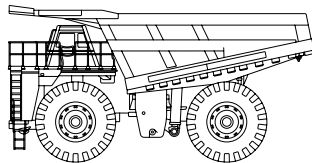
This ensures our Mining and Engine Solutions divisions work collaboratively to certify that major components operating in the complete drivetrain perform as expected and to the best standards possible through shared technology, information, and innovations.

BENCH TEST MODEL COVERAGE

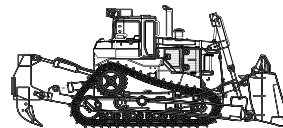
H-E Parts' ability to conduct testing in-house means service delivery and component rebuild time frames are reduced with no reliance on third-party suppliers for component testing.



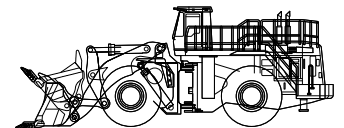
- 24H, 16M, 16H



- 776B, 776C, 776D, 777B, 777C, 777D, 777F, 784B, 784C, 785B, 785C, 785D, 789B, 789C, 789D, 793B, 793C, 793D, 793F



- D10T, D11R, D11T



- 854C*, 854K*, 992, 994

*Wheel dozer

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.



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