

INNOVATION.  
NOT DUPLICATION.™



 **H-E PARTS**  
**INTERNATIONAL**  
ENGINE SOLUTIONS

## 3516 STATERRA POWER™ ENGINE

H-E PARTS INTERNATIONAL (H-E PARTS) SPECIALIZES IN IMPROVING ENGINE PERFORMANCE FOR OUR CUSTOMERS IN THE MINING 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.

Our StaTerra Power™ engines are built to outperform the competitor. All engines are offered in both standard specifications and with customer requested options. Each engine comes with an industry standard warranty. We currently offer solutions for a variety of models including C27, C32, 3508, 3512, 3516, 3524, and C175-16 engines.

### OUR ENGINE REBUILD PROCESS INCLUDES:

- A teardown report with the condition of major components
- In-House Machining to ensure performance and life extension for components
- Major components NDT tested by certified technicians
- Cylinder block work includes inspection of 50 critical areas, machining and optional spray welding
- Cylinder Block machining restores to specification the block deck surfaces, liner bores, and bearing bores
- Crankshaft is balanced using the latest processes and customized equipment
- Match Balanced reciprocating assemblies (Rod, Piston and Pin)
- Restoration of original lift and duration on camshafts
- A Dyno test ensures it meets Peak Horsepower and Peak Torque
- A final 26-Point inspection prior to delivery



3516 StaTerra Power™ Engine

 **STATERRA™**  
**POWER**



# STATERRA POWER™ ADVANTAGES

## 3516 FEATURED IN THE 793C/D HAUL TRUCK

This engine can be equipped with starters, air compressor, A/C compressor and a mechanical fan hub. An optional hydraulic fan hub is available for the 793C application.

## MACHINE SHOP

H-E Parts has been machining major engine components since 1953. Our tight knit team has machining experience averaging 30 years. To machine all of our components we use modern CNC machining centers combined with Cubic Boron Nitride cutting technology. Greatly reducing the possibility of heat distortion and while re-establishing critical dimensions and surface finishes.

## BALANCING

H-E Parts has custom built balancing equipment designed specifically for high horsepower industrial engines. The custom bobweights, computerized technology, and solid base rigidity of these purpose-built machines enable us to balance to the most stringent specifications. Our technicians balance crankshafts destined for life in our StaTerra Power™ remanufactured engines. This provides assurance every engine produced by our assembly facility operates smooth and trouble free.

## DYNAMOMETER TESTING

H-E Parts has the facilities, tooling, and expertise to recondition and dynamometer test large industrial engines up to 4,200 horsepower. All StaTerra Power™ engines rebuilt at our facilities are dynamometer tested to ensure they perform per manufacturer's specifications prior to customer delivery. Every step is taken during the rebuilding process to ensure we deliver the best possible product for a long, dependable life.

## SERVICE EXCHANGE

At H-E Parts, we work to achieve minimal downtime for our customers by stocking an extensive range of service exchange products. This gives us the ability to provide a rapid turnaround, regardless of external market influences on spare parts at any given time.

## CUSTOMER EXPERIENCE

H-E Parts provides the same responsive service to all customers. This consistency ensures our clients know what to expect from us and can rely on quality products with unrivalled service support to get the job done - on time, on budget, and with zero harm. It is our ability to deliver on our promise, to work with suppliers and customers to extend service life, reduce downtime, and work to a high standard, that leads to our shared success.



Balancing Equipment



Dynamometer Testing



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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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