

CASE STUDY

789C ENGINE SUPPLY AND PERFORMANCE

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.

A customer with a fleet of 789C haul trucks required a replacement engine with minimal lead time. Aiming to minimize downtime, the customer sought assistance from H-E Parts.

The engine was supplied and installed with the aim of extending the customers current engine life of ~16,000 hours to the target of 18,000 hours. From commissioning through to removal, the engine met all customer requirements and ran as expected with no issues. The engine was removed at 24,800 hours, improving the engine’s average service hour life by 55%.

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.

Since the initial engine supply, H-E Parts has been contacted to supply a further two engine rebuilds along with multiple Mining Solutions products, such as H-E Parts enhanced final drives and hoist cylinders for the customer’s truck fleet. H-E Parts has the ability to provide a full solution for the entire powertrain transmission and specializes in the re-manufacture of major mobile equipment components. H-E Parts’ added value is achieved by providing fit-for-purpose design, innovation through engineering, and quality through service performance.

APPLICATION	CAT 789C Truck
PRODUCT	3516 Engine



H-E Parts returned engine

H-E PARTS ENGINE PERFORMANCE TABLE

	ENGINE LIFE (HOURS)
Average service hours	~16,000
Customer target	18,000
H-E Parts supplied engine	24,800

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