

GDY85 ELECTRIC WHEEL MOTORS PERFORMANCE

CASE STUDY

Location | Alberta, Canada

Application | 930E haul truck

Product | Enhanced GDY85 Wheel Motor



HEPI

Mining Solutions



OVERVIEW

H-E Parts International (HEPI) provides solutions for the entire drivetrain, specializing in the remanufacturing of major mobile equipment components, and offers industry leading HEPI products. The enhanced design and features of HEPI products deliver extended life, ease of maintenance, and superior performance.

SITUATION

H-E Parts was approached by a customer in Canada, who was seeking help on GDY85 wheel motors for Komatsu 930E haul trucks. Their GDY85 wheel motors were being changed out at only 16,000 hours, and they wanted to achieve a lower cost per hour by increasing target life on the components. H-E Parts offered a safe and effective solution.

SOLUTION

After the HEPI engineering team examined the failures, they developed a plan to rebuild them and improve service life. The following enhancements and processes assisted in increasing their GDY85 service life:

- Enhanced application specific components and proprietary processes
- HEPI enhanced wheel motor gearings with specialized alloy steel for teeth and critical surfaces
- Upgraded overhaul process
- Customized rebuilds for customer specific needs
- Specialized rebuild schedule to achieve minimal downtime

RESULTS

H-E Parts rebuilt GDY85s have achieved over 24,000 hours run time, a 50% improvement from the initial life of 16,000 hours. The customer now has several rebuilt GDY85 wheel motors in their fleet.

50%

INCREASE
in service life

24,000

SERVICE HOURS
From 16,000 hours
to 24,000 hours after
rebuild



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