

HAUL TRUCK PARTS & SERVICES

- MECHANICAL & ELECTRICAL FINAL DRIVE TRANSMISSIONS



Technical innovation, brand reliability, and excellent sales and service ensures Hofmann Engineering Haul Truck parts and components are unrivalled. With high levels of performance and backed by the highly skilled in-house R & D team, Hofmann Engineering's product improved componentry are perfectly suited for the demands of the harshest mining environments.

PRODUCT RANGE



Hofmann Engineering's product range incorporates both mechanical and electrical final drive transmissions and associated components interchangeable with OEM products for the following mining trucks:

CATERPILLAR	KOMATSU	GE WHEEL MOTORS	HITACHI	LIEBHERR
797, 793, 789, 785 & 777	930E, 830E	772, 776, 787 & 788	EH4500-1 EH4500-2 & EH5000	T282B & T282C



GE MOTORISED WHEEL KOMATSU TRUCK

- Manufacturing from new or rebuild final drives and gearboxes depending on the customers' requirements.
- Complete strip and assessment.
- Worn gearing can be reground on our precision gear grinders.
- Badly worn and pitted gears will be replaced with new improved high performance gears meeting DIN, AGMA, ISO or Australian Standards.
- Full assembly and test run.



793F FINAL DRIVE

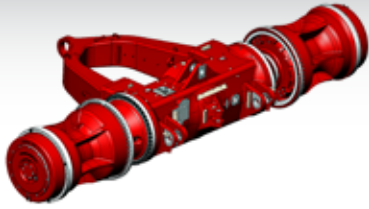
- Rebuilt improved final drives to deliver lower cost per ton operations by achieving longer component life cycles.
- Manufacturing of new complete drives or supply fully compatible replacement parts.
- Inventory stocks available on certain replacement parts.



EH4500-2 REAR WHEEL DRIVE & FRONT AXLE ASSEMBLIES

- Complete front and rear axle assemblies for smoother faster planned maintenance.

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793F REAR AXLE ASSEMBLY

- In-house engineering and product improvement towards greater quality and more efficient solutions.
- Greater life cycle capacities and lower cost per ton operations from product improved components.



PLANET GEARS & PINION SHAFTS

- Precision ground and timed gear set assemblies.
- Multiple assemblies matched for gearbox installation (Load Sharing).
- DIN or AGMA QA inspection.



EH4500-2 PLANETARY BUILD

- New or rebuilt sub-assemblies for more efficient on-site maintenance.
- Completely manufactured in-house with full MDR records.



FRAME COUPLINGS

- Precision manufactured components suitable to be interchanged with OEM.
- Components can be custom manufactured to suit the customers' requirements.



EH4500-2 WHEEL MOTORS IN TRANSPORT FRAMES

- Customised anti vibration transport frames.
- Load rated and safe for mine site use.



RING GEARS

- Full contour, tooth by tooth induction hardened to 52 - 56 HRC and precision ground to AGMA 12 minimum quality.
- New or weld repaired as per customer requirement.



CATERPILLAR PLANET GEARS

- **Product Improvement:** Caterpillar Planet Gears
- Case carburising improves the quality and life of gearing.
- Chromium carbide precipitation reduces the coefficient of friction between the working components, increases residual compression and wear resistance.
- Increase in fatigue resistance at the roots of gears.
- Shot-peened roots.



GEAR GRINDING

- Precision gear grinding facilities capable of achieving DIN 2 (AGMA 15).
- Completely climate controlled manufacturing area.
- Profile and lead modifications available.



GEAR INSPECTION

- State-of-the-art gear inspection facilities to ensure lead, involute and pitch quality is achieved.
- Gear inspection to international standards.
- Ultraviolet crack detection.



LOAD TESTBED

- 3 MW load testbed capable of testing 2 wheel motors in one test.
- Full vibration analysis, temperature and oil reports available as part of the commissioning process.
- Delivering confidence to customers around the world.



FINAL DESPATCH

- Finish gear coated with Molybdenum disulphide C220.
- Corrosion protected.
- Fully protected in fumigated timber crates for air or sea freight.

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