

STACKERS & RECLAIMERS PARTS & SERVICES

- THYSSENKRUPP
- O&K • VOEST ALPINE
- MITSUBISHI

New or reconditioned stacker reclaimer components interchangeable with the OEMs. Components include gearboxes, slew bearings and bogie wheels. The reconditioned service economically returns equipment to "as new" condition.

A design review can be conducted on underperforming gearboxes to identify design improvements that will reduce noise, increase performance, and extend service life. Bogie wheels can be spin induction hardened to reduce wheel and rail wear.

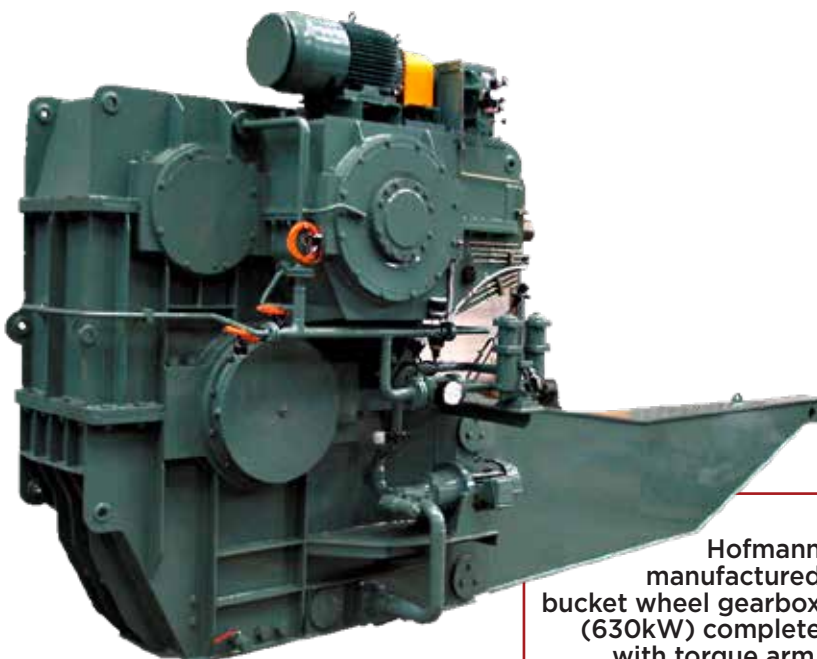


AN ALTERNATIVE TO NEW:

Old bucket wheel gearbox



Reconditioned bucket wheel gearbox



Hofmann
manufactured
bucket wheel gearbox
(630kW) complete
with torque arm.
(see over for further details)

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BOGIE ASSEMBLIES

Complete bogie assemblies including fabrication, machining and assembly of equalisers plus supply and assembly of gearbox/motor and wheels.



SLEW BEARING TO 15M

- Designed and manufactured to suit customers' requirements, or re-engineered from sample.
- Induction hardening of the bearing surfaces is carried out using the latest technology.
- Each slew bearing is supplied with full certification covering material, heat treatment and dimensional checks.



ON-SITE MACHINING OF SLEW BEARINGS

- Perform large site machining projects up to 14m dia.
- Slew bearing installation and alignment also performed by our skilled technicians.



TORQUE SPLITTING BUCKET WHEEL GEARBOX

One of the most complex gearboxes to be manufactured at Hofmann Engineering. The gearbox is fully fabricated in 3 sections from grade 350 plate and weighs 22 tonnes when complete with torque arm.



BUCKET WHEEL GEARBOX

The gearbox comprises all carburised and ground gearing from the spiral bevel input stage to the torque splitting arrangement achieved through the planetary stage. The circular casing on the outside of the gearbox encloses the planetary stage gearing.



SITE SERVICES

- Complete assembly of stackers and reclaimers.
- Site inspections including slew bearing and gear measurements, UT and MPI crack detections, and gearbox inspections.
- Site fitting includes gearbox, slew bearing and bucket wheel change outs.

SLEW GEAR MANUFACTURE



ROLLING SLEW GEAR RIM FORGED HOFALLOY PLATE

10.2 metre forge/fabricated slew gear manufactured from AGMA grade 2 plate during the initial rolling of the rim plate. The plate shown is 150mm thick, however plate is stocked up to 220mm thick.



GEAR CUTTING THE SLEW GEAR

- The 4 segment 10.2m dia slew gear is being cut as an assembled ring. This ensures accurate pitching over all the split lines.
- Individual segment lengths from 1m to 12m possible.



FINAL PREPARATION OF COMPLETED SLEW GEAR

- Final preparation for despatch including corrosion protection prior to securing in fully enclosed crates.
- Assembly simplified by having long segment lengths.

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