



Re-using before recycling

www.greenpower-batteries.com

About us

By reconditioning lead acid batteries for industrial applications such as forklift trucks Green Power Batteries offers users and dealers of forklift trucks a cost-effective and environmentally friendly alternative to buying new batteries.

Together with Chalmers Innovation GPB further developed an already successful business concept and started its own operation in Varberg, Sweden in 2009. Since late summer 2013 GBP started its second operation in Southern California.

Thanks to more than 12 years of accumulated experience and a unique non-invasive 18 step reconditioning process which includes: diagnosis, neutralization, desulphatation, cleaning and anticorrosive paint treatment Green Power Batteries can extend the functional life of your batteries.

By reconditioning batteries unnecessary smelting of industrial lead acid batteries can be avoided thereby helping to decrease environmental pollution and CO₂ emissions. By extending the life span of your lead acid batteries the amount of new battery purchases will be reduced thereby helping your company to cut costs.

All reconditioned batteries are delivered with full warranty.

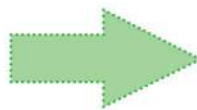
Battery reconditioning

After three to four years traction lead-acid batteries start to pronouncedly lose the ability to hold their charge. The result is less productive time in-between charges. If continued to be used after this time the batteries capacity will be reduced at an ever accelerating rate until finally the batteries are of no functional use anymore and must be replaced.

& Cost-effective
& environmentally
friendly



Before



After

Reconditioned batteries

Save money without sacrificing reliability or performance. Green Power Batteries offers a wide selection of reconditioned batteries in different capacity categories to suit your company's needs all of which are delivered with full warranty. A great alternative to new and used batteries.

Battery repairs

Green Power Batteries have the workshop, equipment and experience for all of your industrial battery repair needs from changing cells, repairing watering systems, replacing cables to welding lead intercellular connectors.

Scrap batteries

Green Power Batteries will pick up your scrap batteries anywhere in continental North America. We have the experience and know-how for storage, handling and shipping of lead-acid batteries.

With our 18 stage reconditioning process approx. 40% of all scrap batteries shipped to us will ultimately return to the market as reconditioned batteries. The remaining scrap batteries are shipped to an authorized smelter for recycling.

EU Directive 2006/66/EC

Article 13:1
"Member States shall encourage the development of new recycling and treatment technologies, and promote research into environmentally friendly and cost-effective recycling methods for all types of batteries and accumulators."



18 stage reconditioning process

Initial inspection

1. Visual inspection
2. Wash and neutralization
3. IC resistance monitoring

Diagnosis

4. Pre-diagnosis cycling
5. Diagnosis load test

Equalization

6. Slow/low constant charge equalization
7. Quick load test
8. Cell bridging
9. Single cell equalization
10. Cell change if necessary

Capacity maximization:

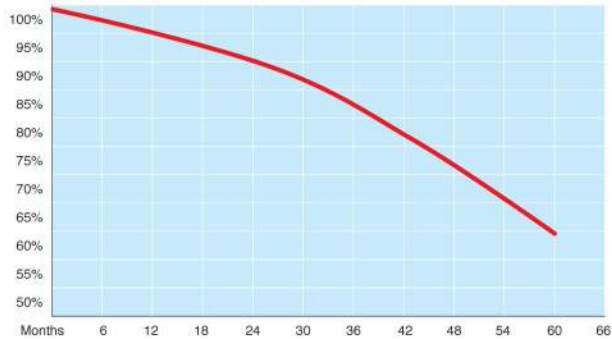
11. High current pulse desulfation
12. Max charge
13. Load test
14. Acid adjustment
15. Equalize charge
16. Final capacity load test

Finish

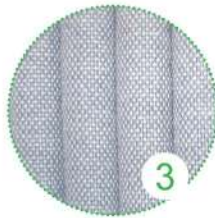
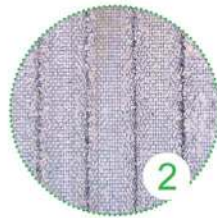
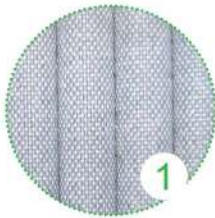
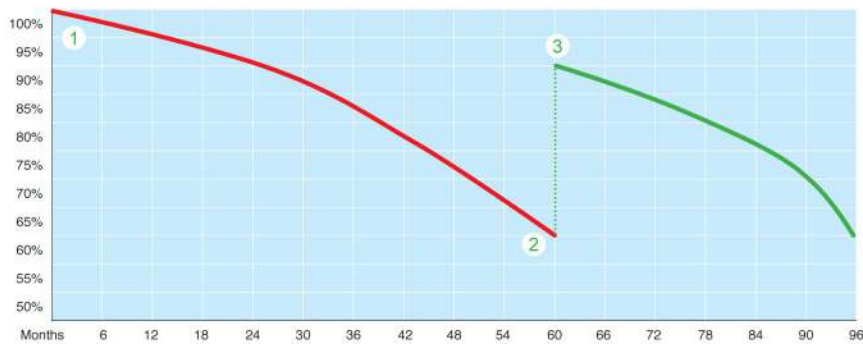
17. Final charge
18. Paint and final preparations

Battery capacity after reconditioning

NEW BATTERY



RECONDITIONED BATTERY



Global partners:

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