

eco-Pump

saving fuel, minimising impact

The Terberg **eco-Pump** power source concept has been developed to give you a reliable and robust hydro-mechanical bin lift that is kinder to the environment, quieter and saves fuel.

The Terberg eco-Pump gives you the following benefits >

- Bin lift related fuel consumption reduction of over 40%*
- Fuel saving leads to CO2 reduction over 2200kg per year for every RCV in your fleet**
- Reduced noise exposure periods in operation
- Reduced wear and tear on all parts

eco-Pump's innovative drive mechanism ensures that power is provided only when required and is possible through some clever engineering and the inherently high efficiencies of hydraulic power systems in comparison to the lower efficiencies offered by purely electrical binlift power source concepts.

In traditional hydraulic control systems the oil flow circulates continuously, regardless of whether the bin lift is active and also when the RCV is travelling.

The real simplicity of the **eco-Pump** lies in the fact that there is only oil flow when the bin lift demands it, controlled trials have demonstrated that the fuel consumed attributable to the bin lift is reduced by over 40%* when compared with a 'like for like' bin lift in a standard 'always on' hydraulic control configuration.

Following the full tip of a container, **eco-Pump** is deactivated and the bin lift lowers safely under gravity reducing likelihood of injury.

In providing oil power only when there is demand the **eco-Pump** control system not only reduces fuel consumption, it also significantly reduces noise exposure to operators and of course, reduces your carbon dioxide emissions.

Activation of the special **eco** program via the RCV cab also makes it possible to lift and empty wheeled containers with the RCV engine turned off resulting in practically silent operation without combustion of fuel.

Cleaner, quieter and more efficient operation than what the **eco-Pump** achieves is hard to imagine.

Fitment to Terberg Bin Lifts >

Terberg's **eco-Pump** control system is available fitted from new to any of Terberg's current range of bin lifts or you can specify it as a retro-fit to an existing Terberg bin lift.

This allows the obvious efficiency and environmental benefits of the **eco-Pump** system to be implemented across your fleet of Terberg bin lift equipped RCV's.

If your interest is stirred by the Terberg **eco-Pump** concept and you wish to learn more please contact our sales department.

*Based on controlled trials, the current fuel saving equates to 3.5 litres per day (assuming 1200 lifts per day, 5 days per week, 48 weeks per year).

**Based on saving of 840 litres of diesel per annum*, 2.629kg of CO2 are generated for every litre of diesel used, reference 'Act on CO2 Calculator: Data, Methodology and Assumptions Paper V1.2 August 2008' published by DEFRA. Actual calculated saving is 2208.36 kg of CO2 per annum per RCV.



eco-Pump control

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- > 42% binlift fuel consumption reduction*
- > Reduces CO2 by 2200kg p.a. per vehicle**
- > Less fine particle exhaust emissions
- > Reduced operator noise exposure
- > Available fitted from new on bin lifts
- > Retro-fit available for existing fleets
- > No extra vehicle batteries required***
- > Intelligent oil control
- > Can operate without engine running
- > Reduces wear and tear on all parts

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***subject to body builders guidelines of chassis manufacturer

Terberg Matic UK Ltd. reserve the right to change the specification or design of our equipment at any time without prior notification



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