



Hand pallet trucks

This type II declaration is divided into three major segments.
Manufacturing — Usage — Scrapping

Manufacturing

All data is collected from our manufacturing and is calculated for the BT lifter H-series models HHM100 and HHL100.

Our manufacturing of trucks includes several processes. For example, metal sheets are cut and bended to the right proportion. These sheets are later welded together using the latest available welding technology.

After parts have been welded and grinded they will receive a protective layer of paint. BT uses a powder paint shop facility where emission has been reduced through advanced technology.

Finally, all different parts should be assembled and this is performed in a clean workshop environment. In the following tables we declare emissions and waste during our manufacturing processes.

Emission to air

Substance	kg/truck
Carbon dioxide, CO ₂	9,71
Nitrogen oxides, NO _x	0,01
Carbon oxide, CO	0,0008
Volatile organic compound, VOC	0,0005
Sulphur oxides, SO _x	0,0002

Discharge to water

Substance	kg/truck
None *	—

* No drain from the manufacturing process at the hand truck plant.

Waste recycled

Substance	kg/truck
Metal scrap (5 fractions)	6,81
Wood	0,37
Combustible waste, energy recovered	0,36
Paper	0,03
Plastic	0,007
Cardboard, corrugated	0,006

Hazardous waste

Substance	kg/truck
Cutting fluid	0,32
Degreasing/phosphate bath	0,31
Oil absorbents	0,036
Waste oil	0,014
Electronic scrap	0,011
Batteries	0,009
Flourescent tubes	0,0010
Equipment containing refrigerants	0,0006
Paint tins, aerosols	0,0005
Chemical residue	0,0002

Usage

Here we review the truck's consumption of energy, oil and other consumables during its usage.

Battery charging and consumption:

Life of truck	20 000 h
Battery size	63 Ah
Operating hours / charge	120 cycles
Mains power in kWh / charge	0,6 kWh
No of batteries / life of truck	4

Oil change and other lubrication:

Hydraulic oil / life of truck	2,6 l
Grease and lubrication/ life of truck	0,05 l

Consumables:

Fork wheels / life of truck	2
Steer wheels / life of truck	2

Scrapping

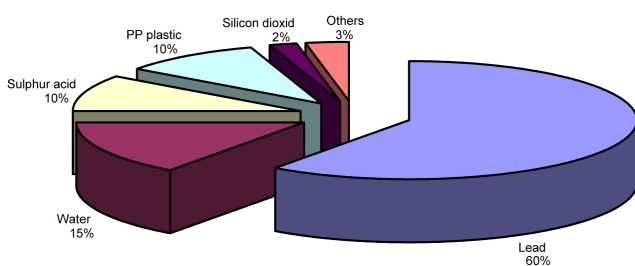
The major content in a BT lifter H-series models HHM100 and HHL100 is steel which is fully recyclable.

After the trucks are taken out of service they are sent to a waste management company where the oil in the hydraulic cylinder is taken care of and the steel is melted down and reused.

The battery in the truck is taken care of by approved waste management firms and is recycled.

The lead is melted down and reused, the acid is neutralized and the energy in the plastic is used for heating.

Content of truck battery, weight %



Substances of concern in BT Lifter H-series **

Substance,	gr/truck
Thiram (TMTD) ²⁾	0,17
Lead alloy ²⁾	0,01
N-dimethylacetamide (DMAC) ²⁾	0,05
TOTAL	0,23

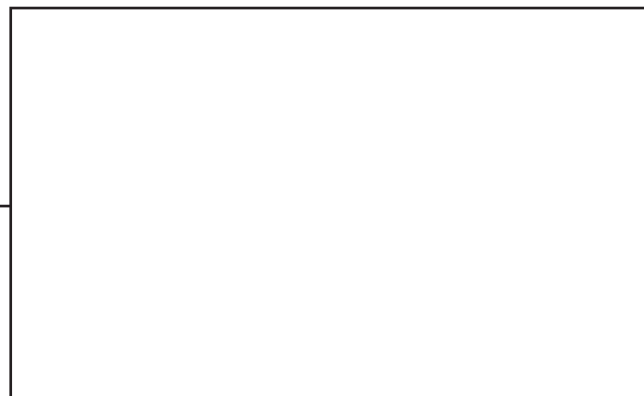
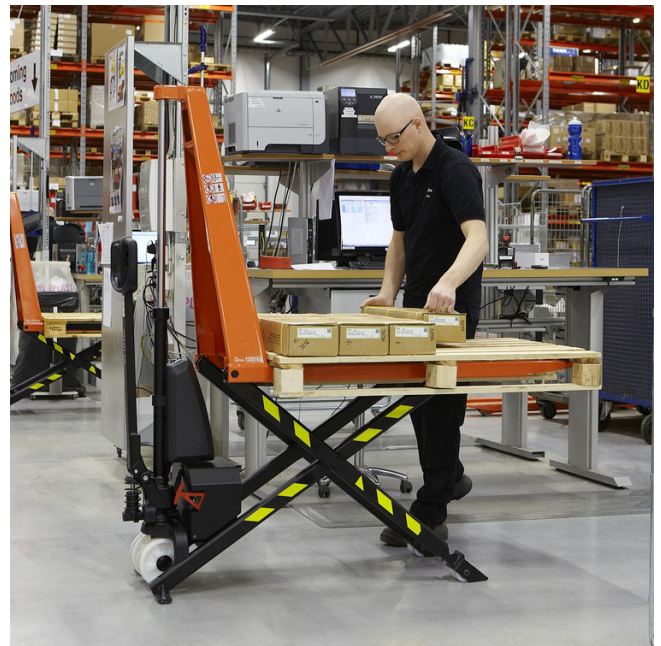
The amount of substances of concern (SOC) included in the BT Lifter H-series has been mapped out. The BT lifter models HHM100 and HHL100 contains less than 0,23 g substance of concern according to the specification above.

1) BT's "black list" — lists chemical substances which must not be used in BT's production processes or in BT's products.

2) BT's "grey list" — lists chemical substances which use should be restricted in BT's production processes as well as in BT's products.

** Based on declarations from suppliers.

For information concerning substances of very high concern on the Candidate list, please see www.toyota-forklifts.eu/en/company/sustainability.



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