

# Environmental declaration BT Lifter Silent



## Hand pallet truck

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

### Manufacturing

All data is collected from BT's plant in Mjölby, Sweden and is calculated for the BT Lifter Silent LHM230SI.

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 make use of the powder painting technology which is the best available technology today with respect to the environment.

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

### Hazardous waste

Substances	kg/truck
Degreasing/phosphate bath	0,52
Oil absorbents	0,033
Waste water	0,014
Waste oil	0,011
Cutting fluid	0,083
Electronic scrap	0,0085
Refrigerants	0,0019
Oil filter	0,0010
Paint tins, aerosols	0,0010
Electronic waste	0,00095

### Discharge to water

Substances	kg/truck
COD	0,00083
BOD	0,00012
Phosphorous, P	Very small concentrations
Unpolar alifat.hydrocarbons	
Unpolar aromatic hydrocarbons	
Zinc, Zn	
Copper, Cu	
Nickel, Ni	
Chromium, Cr	
Lead, Pb	
Cadmium, Cd	

### Waste recycled

Substances	kg/truck
Steel scrap	6,24
Chip	1,36
Combustible mtrl	0,37
Wood waste	0,19
Corrugated cardboard	0,088
Paint waste	0,072
Deposit	0,041
Paper	0,015
cables	0,0020
Non-rigid plastic	0,0012

### Emissions to air

Substances	kg/truck
Carbon dioxide, CO <sub>2</sub>	5,85
Nitrogen oxides, NO <sub>x</sub>	0,0061
Sulphur oxides, SO <sub>x</sub>	0,0013
Carbon oxide, SO	0,0007
Volatile organic compound, VOC	0,0001

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## Usage

Here we review the truck's consumption of energy, oil and other consumables during its usage. Since BT Lifter Silent LHM230SI is hand operated we can not talk about energy consumption in the usage process.

### Oil change and other lubrication:

Life of truck	10 years
Hydraulic oil / life of truck	0,7 l
Grease and lubrication/ life of truck	0,1 l

### Consumables:

Fork wheels / life of truck	4
Steer wheels / life of truck	2

## Scrapping

The major content in a BT Lifter Silent LHM230SI hand pallet truck is steel which is fully recyclable. In fact 92 % consists of steel.

The hand pallet trucks are sent to a waste management firm where the oil in the hydraulic cylinder is taken care of and the steel is melted down.

## Substances of concern in BT Lifter Silent

The amount of substances of concern (SOC) included in the BT Lifter Silent LHM230SI has been mapped out. The BT Lifter Silent LHM230SI contains no substance of concern.

<sup>1)</sup> BT's "black list" — lists chemical substances which must not to be used in BT's production processes or occur in unchanged form in BT's products.

<sup>2)</sup> BT's "grey list" — lists chemical substances which use should be restricted in BT's production processes as well as their occurrence in unchanged form in BT's products.

The "black & grey" list was first defined by Volvo and BT has adopted this definition with the approval of Volvo.



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