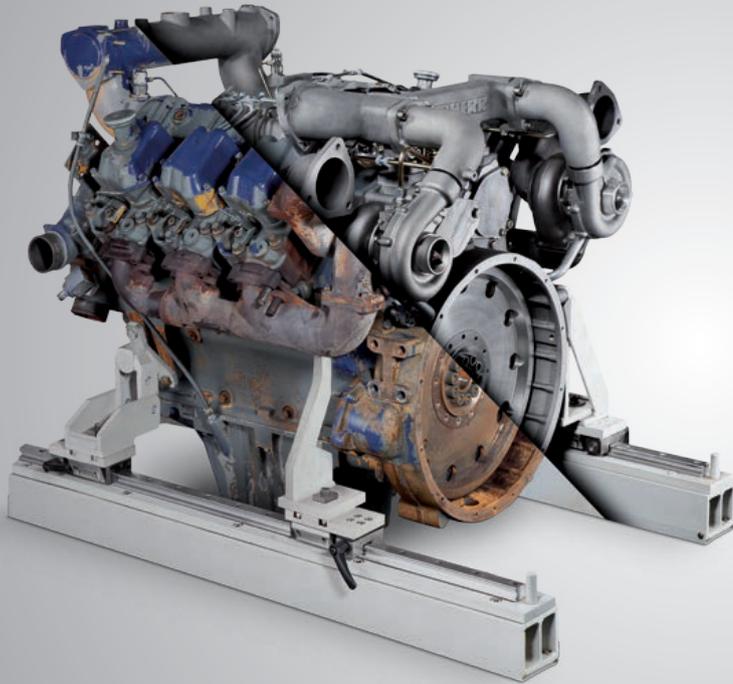


# Information about General Overhaul



## **What is the procedure for a General Overhaul?**

The overhaul is performed on the customer's own component. That means the component is removed and sent to Ettlingen, where it is reconditioned before being sent back to the customer.

Transport is organised by the customer and the dealer and is paid for by the customer (alternative arrangements may be agreed between the dealer and the customer).

## **What does a General Overhaul cost?**

Prices for overhauled components are fixed prices and are between 25 % and 60 % of the BEL price (gross) for the end customer. Please see next page for a detailed price list.

## **What guarantee provisions are there?**

Liebherr-Ettlingen GmbH grants a guarantee of 1 year or 2,000 operating hours on overhauled components (whichever comes first).

## **What services are included in a General Overhaul?**

After it has been delivered to Liebherr-Ettlingen GmbH, the customer's component is completely dismantled, and if necessary stripped of paint and cleaned. All parts which are subject to wear are exchanged. The component is then completely reassembled to its original technical state, painted and tested according to the inspection report for a new part before it is delivered.

## **How long does an overhaul take?**

As a rule, 3-8 working days are needed purely for processing at Liebherr-Ettlingen GmbH, depending on the size and complexity of the component. Add to this the time needed for transport, which can vary according to the destination.

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# Price list for General Overhaul\*

\* Recommended retail price

Valid to 06/2017

Information for end customers

Besides diesel engines, hydraulic components and gearboxes, General Overhaul is also available for rope winches and splitter boxes. Prices on request.

Component	Pricing level	BEL level	Price for Gen. Overhaul (X% of BEL)
<b>Diesel engines</b>			
Diesel engines	Diesel 1	< 25.000 €	<b>60 %</b>
Diesel engines	Diesel 2	> 25.000 €	<b>55 %</b>
<b>Hydraulic pumps and motors</b>			
Hydraulic pumps and motors	Hydraulics 1	< 7.500 €	<b>55 %</b>
Hydraulic pumps and motors	Hydraulics 2	< 15.000 €	<b>50 %</b>
Hydraulic pumps and motors	Hydraulics 3	> 15.000 €	<b>45 %</b>
<b>Gearboxes/axles</b>			
Gearboxes/axles	Gear boxes 1	< 5.000 €	<b>55 %</b>
Gearboxes/axles	Gear boxes 2	< 10.000 €	<b>50 %</b>
Gearboxes/axles	Gear boxes 3	> 10.000 €	<b>45 %</b>
<b>Hydraulic cylinders</b>			
Hydraulic cylinders	Cylinders 1	< 5.000 €	<b>35 %</b>
Hydraulic cylinders	Cylinders 2	< 15.000 €	<b>30 %</b>
Hydraulic cylinders	Cylinders 3	> 15.000 €	<b>25 %</b>

## Attention!

Starters, alternators, air compressors and air-conditioning compressors are not included in a General Overhaul of diesel engines.