

Rear axle of a mower conditioner

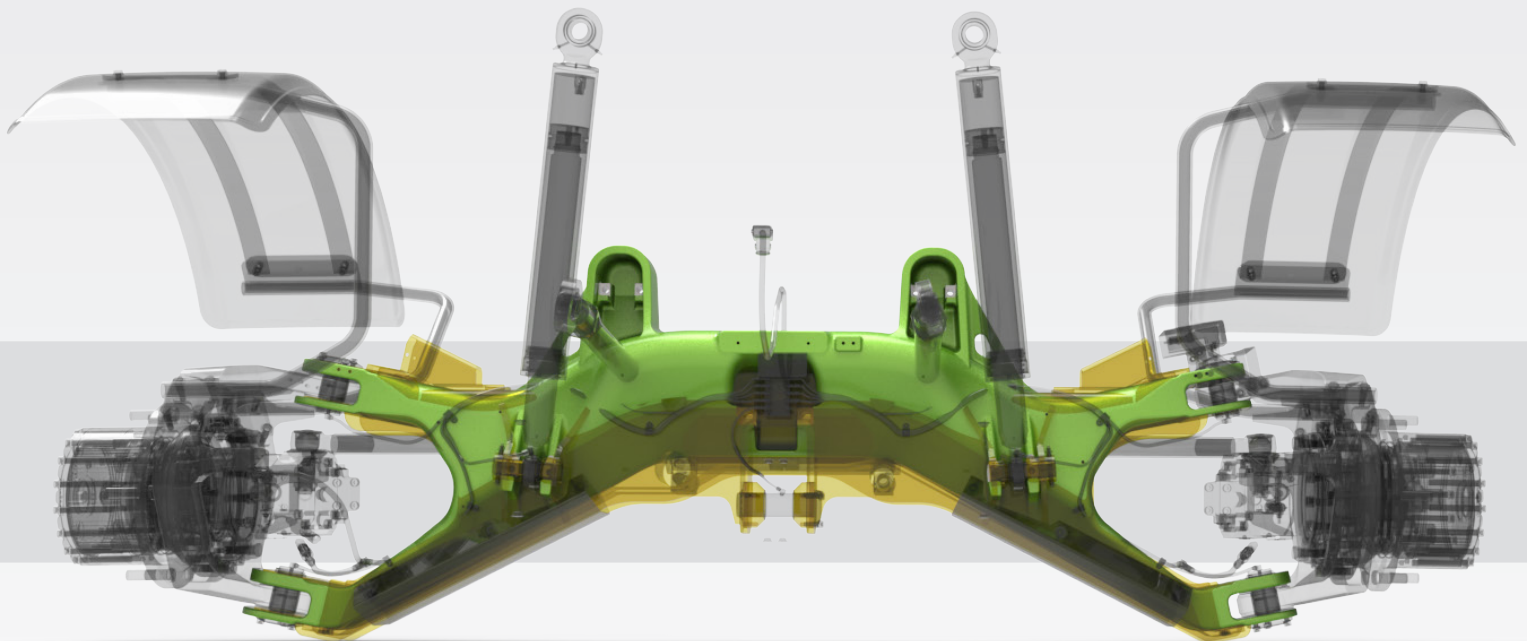
Redesign of a welded construction into a ductile iron sand-casting

PROJECT

Point of departure

All of our clients are experts in their own industry. Each of them is capable of manufacturing machines that deliver the performance that is needed. Together with the client, EDS specializes in metal manufacturing, focusing on casting and forging. With this knowledge EDS is able to design added value into the lifecycle of the product.

Several challenges were at stake in this project. Can it be a casting? Can we increase the height to improve ground clearance? And how can we convert the welded part to a cost-efficient casting while keeping the performance similar?



■ Welded construction ■ Casting

RESULTS



8%

Weight reduction

From 203 kg in steel to 186 kg in ductile iron



21%

Cost reduction

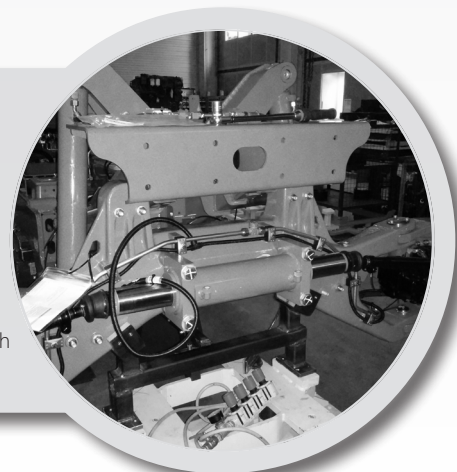
Reducing risk by sourcing in EU



100%

Fit into requirements

The hollow triangle cross-section allows excellent performance on both the load cases whilst maintaining the quality of the organic bales that are left behind.



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