



Agritechnica 2013 – Wheel loader news

WEIDEMANN:

Powerful wheel loader and telescopic loaders work more efficiently and save fuel.

Weidemann is introducing emissions level IIIB-compliant wheel loaders with new engine technology for use in large agricultural operations and on farms with biogas plants.

With the new models 4080 and 5080, the Hoftrac, wheel loader and telescopic loader specialist Weidemann is presenting two new wheel loaders at Agritechnica 2013, which are offered as an alternative with an oscillating suspension unit (4080 and 5080) or as a telescopic loader with telescopic arm (4080 T and 5080 T). The new loaders replace the successful models 4070CX and 4270CXT and were primarily designed for larger agricultural operations with corresponding turnover volumes of square bales, grain and bulk materials as well as for farms with biogas plants. A major reason for the introduction of the new models is the guidelines of the European exhaust emission standard level IIIB, which also prescribe drastically reduced exhaust values for wheel loaders in agriculture. The engines of the new machines are adapted to this.

In order to comply with the new limit values, the use of additional technology, such as the installation of a particulate filter and an optimisation of the cooling capacity through a cooled exhaust gas recirculation, was necessary compared to the proven models. As an additional benefit, however, the use of new components also resulted in an improvement to the engine's efficiency. This made it possible to reduce the fuel consumption by around five per cent. The new electronic engine control also allows for an even more dynamic use of the machines, because the engines now react even more quickly to the accelerator pedal.

The new model names make it clear that both of the new loaders differ from their predecessors not only in the engine technology under the hood, but also in numerous other points, right down to the design of the engine hood. Due to the installation of additional components for exhaust after-treatment and for cooling,



the space under the hood no longer sufficed. This was reason enough for Weidemann to introduce a new, more dynamic engine hood design. This design line will be gradually transferred to the entire model range.

Technical details: Weidemann wheel loaders 4080 and 5080

The new Weidemann wheel loader 4080 in the standard version will be driven by a four-cylinder Perkins engine with 102 hp (75 kW). The same, but more powerful Perkins engine with 117 hp (86kW) is available for the 4080 as an option and for the 5080 as a standard. The 4080 has an operating weight of 5.84 tonnes. With 7.14 tonnes, the 5080 belongs to the heavier wheel loaders. The tipping load with the bucket machine straight is 3579 kg for the 4080 and 4639 kg for the 5080. The maximum lift height in the bucket pivotal point is 3.67 metres (4080) or 3.69 metres for the 5080. The overhead loading height is 3.31 metres (4080) and 3.33 metres (5080). The vehicle height with the standard cab is 2.68 metres for the 4080-series and 2.70 metres for the 5080-series.

Technical details: Weidemann telescopic loaders 4080T and 5080T

The same machines are alternatively offered as telescopic loaders with a telescopic arm instead of a loading arm. The maximum lift height in the bucket pivotal point is 5.08 metres (4080T) or 5.09 metres (5080T). The overhead loading height is 4.79 metres (4080T) and 4.81 metres (5080T). The 4080T has an operating weight of 5.93 tonnes while the 5080T has an operating weight of 7.2 tonnes.

Versatile range of add-on equipment

For the wheel and telescopic loaders, Weidemann offers a wide range of suitable add-on equipment that is ideal for tasks in agriculture and biogas plants. This makes the machines true multi-purpose machines on the premises.

