

## Komatsu Europe International n.v. launches the D155AX-8 Crawler Dozer

**Powered by a Komatsu EU Stage IV Engine: Productive, Dependable and Efficient.**

*Vilvoorde, October 2014* — Komatsu Europe International n.v. introduces the D155AX-8 crawler dozer. With operating weights between 38,000 kg and 43,000 kg (depending on machine configuration) and a net 264 kW (354 HP), the D155AX-8 is powered by a Komatsu SAA6D140E-7 engine, which is EU Stage IV emissions certified.

Still more productive, dependable and efficient, the Komatsu EU Stage IV engines are built on a solid foundation initiated in 1996 with the introduction of Komatsu's Tier 1 (Stage I) engines. The more environmentally friendly D155AX-8 crawler dozer leverages Komatsu's leadership in technology and innovation with high levels of performance and reduced fuel consumption and operating costs.

### **KOMTRAX**

The D155AX-8 is equipped with the latest KOMTRAX™ (\*) remote monitoring technology with data access via the web or via KOMTRAX Mobile on your smart phone. In addition to providing data such as fuel levels, operating hours, location, cautions and maintenance alerts, KOMTRAX™ was further enhanced to monitor Diesel Exhaust Fluid (DEF) levels, KDPF regeneration and fuel theft. The Operator Identification System reports key operating information for multiple operators and the Auto Idle Shutdown function helps to lower operating costs by reducing unnecessary idle time.



All new Komatsu EU Stage IV machines come with Komatsu CARE® (\*), a complimentary maintenance program for Komatsu customers. For the first three years or 2.000 hours Komatsu CARE® covers factory-scheduled maintenance, performed by Komatsu-trained technicians with Komatsu Genuine parts. Komatsu CARE® offers up to a maximum of 2 complimentary Komatsu Diesel Particulate Filter (KDPF) exchanges and 2 complimentary cleanings of the Selective Catalyst Reduction (SCR) system. Additionally, both the KDPF and the SCR system are covered by a warranty for the first 5 years or 9.000 hours.

### **Key features of the new crawler dozer**

#### **Komatsu EU Stage IV Emission Certified Engine – Productive, Dependable, Efficient**

Komatsu's EU Stage IV engines are built on the strength of its proven EU Stage IIIB foundation. By integrating Selective Catalyst Reduction (SCR), the EU Stage IV engine further reduces NOx emissions by using Diesel Exhaust Fluid (DEF). An advanced electronic control system manages the engine's air-flow rate, fuel injection, combustion parameters. The after treatment functions optimize performance, reduce emissions, and provide advanced diagnostic capability. The result is lower fuel consumption with no loss of performance. Komatsu continues to use a Komatsu Variable Geometry Turbocharger (KVGTT) and an Exhaust Gas Recirculation (EGR) valve for more precise temperature and air management control and longer component life.

To ensure product reliability and durability in demanding conditions, Komatsu developed the entire system, including the control software, which is critical to the effective operation of the aftertreatment system. This control system is also integrated into the machine's on-board diagnostics systems and in KOMTRAX™, Komatsu's standard telematics system.

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### **Komatsu patented SIGMADOZER® blade for unsurpassed productivity**

The D155AX-8 is equipped with SIGMADOZER® (\*\*) blade, which gives the machine a high blade capacity of 9.4 m<sup>3</sup>. SIGMADOZER® dramatically improves dozing performance and increases productivity by up to 15% over a conventional semi-u blade. The blade features a frontal design concept for digging and rolling material in the center of the blade. Soil-holding capacity is increased and digging resistance is reduced for a smoother flow of material. Larger amounts of soil can be dozed with less power

### **Automatic transmission significantly improves fuel economy**

The D155AX-8 has an automatic gearshift transmission and lock-up torque converter that greatly reduces fuel consumption and provides exceptional power train efficiency. The lock-up torque converter automatically transfers engine power directly to the transmission, decreasing fuel consumption by up to 10 % while machine power is maintained.

### **Ergonomic joystick controls for ease of operation and comfort**

Komatsu's ergonomically designed Palm Command Control System (PCCS) gives operators maximum control, offering a relaxed posture and superb fine control to eliminate operator fatigue. Thumb push buttons simplify transmission gear shifting. The electronic blade and ripper control joystick offer excellent machine control. The ripper now incorporates a new auto-return function to increase operator efficiency when ripping.

### **Electronic control powertrain for smooth operation**

The D155AX-8 uses an electronic control power train system that significantly improves operation and productivity. Powerful turns under various work conditions are achieved with the Hydrostatic Steering System (HSS). Counter-rotation is available while in neutral for minimum turning radius, providing excellent maneuverability. When operating in adverse conditions such as uneven ground, a K-bogie undercarriage system keeps the correct alignment between the rollers and links for a smoother ride as well as longer component life.

### **Cab design creates optimal operator environment**

The new crawler dozer's comfortable working environment allows the operator to concentrate on the work at hand for increased productivity. A high capacity air suspension seat with heat is standard. The large cab is integrated with ROPS (Roll-Over Protection) for excellent side visibility. The dozer's cab mounts reduce shocks and vibration, even in adverse conditions, and the interior cab noise level is very low, for a noticeably quiet working environment. A newly enhanced high-resolution large color 7" LCD monitor in the cab displays all machine information. A rear view monitoring system is standard and can be set to synchronize with reverse operation.

*Notes:*

*All comparisons are to the Komatsu model D155AX-7.*

*\* Komatsu CARE® and KOMTRAX™ are registered trademarks of Komatsu Ltd.*

*\*\* SIGMADOZER® is a registered trademark of Komatsu Ltd., Japan.*

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*Information in the news releases is current on the date of the announcement and is subject to change without notice..*

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