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KOBELCO Unveils New Crawler Crane Models
at CONEXPO-CON/AGG 2011 - Las Vegas

KOBELCO CRANES is proud to unveil the new crawler crane “G-series” models, with production of the new models for markets in North America and Europe beginning March 22, 2011.

Cranes with lifting capacities ranging from 85 to 275 U.S. tons for North America and 60 to 250 metric tons for Europe have been newly designed, upgraded and improved from the customer’s point of view with safety, reliability and efficiency in mind.

The new models have been created from end users and real jobsite experiences, incorporating transport, assembly, and operator friendly concepts. All are essential to fulfil the owner’s satisfaction. In addition, Kobelco emphasizes one more key concept as a global leader of crawler cranes: “Environmentally Friendly”.

Key features of Kobelco’s new models:

- ***New engines that comply with the latest emission standard***
All “G-Series” models are equipped with new engines compliant with EPA Interim Tier IV and EURO stage IIIB. The rated output of the new engines have been upgraded from the previous series and tuned up for the best fit in crane operations.
- ***Achieved maximum 30% less fuel consumption from previous models***
We adopted a totally new energy-saving assist system on all new models called the “G MODE” system. G MODE is a generic name for the assist systems such as Auto Idle Stop System, Energy Saving Winch Control System and Engine RPM Limitation System.

<Auto Idle Stop System>

The engine automatically stops during idling time under certain conditions. Restart is possible by controlling the accelerator grip.

<Energy Saving Winch Control System>

The hoist winch can be turned at maximum speed without the engine accelerating under no-load lifting.

<Engine RPM Limitation System>

By reducing the range of the engine RPM, the best performance is achieved in normal mode.

➤ ***Compact design changes transportation***

By newly designing the structure of the machine, transportability has been greatly improved. A minimum 2.99 meter and 45 metric ton or less weight of the main house saves additional work needed for transportation such as arranging an escort car or special permission.

➤ ***Operator support system & comfortable operator cab***

- The new safety support device is an optional item.
- The counterweight detection device always tells the correct amount of the counterweight.
- The swing angle detection device prevents the cranes from over-swinging.
- The ground level sensor prevents operations on uneven ground.
- The machine status is displayed on a new wide monitor in a newly designed operator cab.
- The new luxurious cab enhances comfortable operation.

➤ ***Vertical cylinders for counterweight self installation (80 US ton to 110 US ton)***

The new models have an improved counterweight self installation mechanism. Counterweights can be stacked up on the ground and installed on the machine by vertical cylinders. This greatly improves the safety and work efficiency.

➤ ***New hydraulic circuit: Dual pump flow <-> Single pump flow***

The new models are adaptable to work at both bucket and lifting job applications. The hydraulic circuit can be fixed as dual pump flow or single pump flow, so that the circuit can be perfectly adequate for both applications. The newly designed circuit can be switched to choose the best circuit for your job application.

KOBELCO is renowned for smart engineering - aiming to increase versatility and flexibility with productivity-boosting technical advances - from advanced winch systems to self-diagnostic multi-display monitors. All designed to give users a competitive edge and provide top performance.

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Model line Up & General Specifications

For North America including Canada					
Model	Lifting Capacity	Max. line pull	Max. line speed	Rope dia.	Engine power
CK850G	85 US tons (170,000 lbs)	34,400 lbs	390 ft/min	7/8 in.	285hp/2100rpm (213kW/2100min-1)
CK1100G	110 US. tons (220,000 lbs)	46,800 lbs	390 ft/min	1-1/32in.	285hp/2100rpm (213kW/2100min-1)
CK1200G	120 US tons (240,000 lbs)	46,800 lbs	390 ft/min	1-1/32in.	285hp/2100rpm (213kW/2100min-1)
CK1600G	160 US tons (320,000 lbs)	52,500 lbs	390 ft/min	1-1/32in.	363hp/1850rpm (271kW/1850min-1)
CK2750G	275 US tons (550,000 lbs)	56,700 lbs	361 ft/min	1-1/32in.	363hp/1850rpm (271kW/1850min-1)

Model line Up & General Specifications

For Europe					
Model	Lifting Capacity	Max. line pull	Max. line speed	Rope dia.	Engine power
CKE600G	60 tons	153 kN (15.6 tf)	120 m/min	22 mm	285hp/2100rpm (213kW/2100min-1)
CKE800G	80 tons	153 kN (15.6 tf)	120 m/min	22 mm	285hp/2100rpm (213kW/2100min-1)
CKE900G	90 tons	208 kN (21.2 tf)	120 m/min	26 mm	285hp/2100rpm (213kW/2100min-1)
CKE1100G	110 tons	208 kN (21.2 tf)	120 m/min	26 mm	285hp/2100rpm (213kW/2100min-1)
CKE1350G	135 ton	233 kN (23.8 tf)	120 m/min	26 mm	363hp/1850rpm (271kW/1850min-1)
CKE2500G	250 tons	252 kN (25.7 tf)	110 m/min	26 mm	363hp/1850rpm (271kW/1850min-1)
BME800G	80 tons	208 kN (21.2 tf)	120 m/min	26 mm	363hp/1850rpm (271kW/1850min-1)

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