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TIMES

BIA GROUP - Overhaul & New Machines

SUCCESS STORY

For over 66 years, the BIA Group has specialized in the distribution and servicing of machinery for earthmoving, public works, quarries and mines, demolition and recycling, as well as for industrial handling. BIA is also present in twenty countries of Central and West Africa and employs nearly 1,000 people. Two of its main companies are the official Komatsu Distributors for Belgium, the Netherlands and Luxemburg (or “Benelux” region).

New facilities

In 2012, BIA opened new ultra-modern facilities in Fleurus, Belgium, that include a 1600m² workshop with the latest tools, new offices and services, a 579m² storage platform, a 441m² shop of spare parts, new ma-

chine washing facilities with a 60,000 liters reserve of rainwater, a 182m² storage building and other facilities for a total of 28,000 m², of which 3.542 m² are covered.

**BIA Group:
Overhaul & New
Machines**
By Christian Durieux

The bared chassis of a dismantled HD785-7 Rigid Dumper Truck.





The truck is precisely put back together. No less than 3 months are needed for a complete overhaul.

Overhaul

Over the years, among their many fields of expertise, BIA have earned a reputation as experts in “overhaul” - the complete revision of used construction machines. Overhaul offers many benefits to customers over the purchase of a new machine: lower costs, but also fiscal advantages and a high quality warranty for the refurbished parts.

BIA recently delivered to “Société des Carrières du Tournaisis” (SCT) in Belgium a 91 tonnes Komatsu HD785-7 Rigid Dumper Truck that had been entirely reconditioned in their workshops at Fleurus.

With “KOMTRAX Plus” - Komatsu’s technologically advanced remote monitoring data system- installed onboard the truck, and thanks to a close collaboration with the customer, every technical detail of the machine

was closely monitored, and the most efficient time for a full review was determined - in this case, 18,000 hrs.

To proceed with the overhaul, the truck was completely dismantled, and each part closely inspected: the rear axle, the final drive and differential, the suspension, front axle, cab, tanks, radiators etc....

The chassis was laid bare, under the sole responsibility of the project engineer. “All bores in the frame were measured in both directions and redone if the tolerance was no longer respected,” says Stephan Van Houtvinck, the Fleurus site manager. “The bearings, wear rings, hydraulic hoses and safety components were systematically replaced, and everything was thoroughly cleaned to avoid any contamination of the hydraulic or cooling circuits”.



Ready for a last check up. A new HD605-7 in Fleurus.

Komatsu Reman

For the powertrain, BIA used “Komatsu REMAN”, a program that provided a remanufactured engine, transmission and converter, all covered by a “Large Machine Support” two years warranty from Komatsu with a maximum of 10,000 hours. “Komatsu REMAN” offers clear advantages for a local revision: the replacement of old parts with completely revised factory components is immediate.

“This approach saves valuable time, up to several weeks” says Stephan Van Houtvinck. He adds: “These genuine Komatsu parts are tested for performance and come with a better warranty than new components.” BIA’s overhaul labor is covered by warranty of one year or 3,000 hours.

No less than three and a half months were needed to overhaul the HD785-7 dumper.

“With the ongoing crisis, more and more customers opt for the overhaul – and for over 20% off the cost of a new machine.” concludes Stephan Van Houtvinck.

Important BIA sale of new RDTs

Recently, BIA delivered 6 new Komatsu HD605-7 Rigid Dumper Trucks to Moha and Engis, 2 quarries operated by the Belgian “Carmeuse” group. This major sale didn’t go unnoticed, as Carmeuse is a world reference for the production of lime and lime products.

The Komatsu HD605-7 has a 67 tonnes payload and a dumper capacity of 40 m³. Cast steel components are used in critical areas of the main frame where the loads are the heaviest and where shocks can be the most important. With a maximum speed of 70km/h, the HD605-7 is powered by a Komatsu engine with a net 533 kW (715 HP).

The HD605-7 features the 7-speed K-ATOMiCS transmission with “Skip-Shift” function to ensure smoother operations and less downshifts. In addition, the ARSC (Auto Retard Speed Control) system allows the operator to set it in steps of 1 km/h, for optimum speed on a slope, and to prevent overheating of the retarder oil.

6 new Komatsu trucks...

At Moha and Engis, the new Komatsu HD605-7 Rigid Dumper Trucks will carry tons of stones from the bench to the primary crusher. Manufactured in the Komatsu Hanomag factory in Hannover, Germany, the 6 machines were transported on trailers to the BIA service shop in Fleurus, for the PDI (Pre Delivery Inspection).

Once the PDI was performed and the various options installed (Central lubrication system, camera and additional lights, safety devices, etc...), the machines were sent along by special convoy to the quarry sites. There,

The BIA team gave expert training to Carmeuse operators.

they were then taken over by BIA’s technician / trainer, who oversaw the assembly and installation of the bridge, the ladder, the cabin protection, the suspensions of four shock absorbers, and of the mirrors and mud flaps.

...and expert Komatsu training.

With the final assembly completed, BIA provided a high quality technical and driving training to the operators. This training was done in groups of 5 or 6 people with a focus on safety, eco-driving, productivity and daily maintenance. It included theoretical and practical training that enabled experienced operators, but also beginners, to become familiar with the Komatsu HD605-7 Rigid Dumper Truck.

After the static display of the machine was completed, each operator was invited to drive a new truck to the actual quarry site. Their impressions were excellent: the Komatsu HD605-7 is powerful and fast, comfortable and safe.

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