



Above & Right:
*Exclusive Edition
of 100 pieces
finished in white
for Modell-OVP.*



Komatsu WA1200 Wheel Loader

NZG 1:50th Scale

When it comes to wheel loaders, they don't come much bigger than the

Komatsu WA1200-6, a gigantic monster designed for the efficient loading of large mining trucks. Following on from the successful WA1200-3, the updated machine benefits from Tier 2 emissions with better fuel economy, increased safety features and a higher operation ratio. The powerplant for this behemoth is the Komatsu SSDA16V160E-2 diesel engine with modular common rail injection system

which delivers a 15% reduction in fuel consumption and a power output of 1765hp. Tipping the scales at over 220 ton with a bucket capacity between 18 to 35m³, it is the perfect partner to load 320 ton capacity mining trucks. It has been a long wait for a scale model of the WA1200 to appear with various rumours over the years that one was 'in the works' with several model manufacturers believed to be producing the scale replica and finally, the model was announced by NZG early in 2014 with the model finally appearing in January 2015. While the standard

Right: *Excellent
detailing across the
articulation point.*



Right: *Multi-coloured
cabin interior highlighting
the surrounds, controls
and operators seat.*



Right:
Komatsu WA1200-6 model.



Left: The large photo-etched grill looks imposing.

version of the model has been released in the corporate Komatsu yellow colours, an exclusive edition of the model has recently appeared from Model-OVP, a German model dealer in a limited run of only 100 pieces.

Out of the box, it is clear that NZG has done a fine job in recreating the imposing dimensions of the loader with plenty of detailing throughout the model, starting at the rear with the large photo-etched grill and metal safety railings around the

counterweight. The side engine bay is dominated with the air intakes and twin exhaust stacks rising up with access to the cabin mainly from the rear with steps inset into the wheel arches with an emergency ladder mounted to the side of the chassis.

The articulating frame has a very good range of movement with the drive-shafts and hydraulic hose connections crossing the articulation point which is controlled by a pair of cylinders which have smooth movement. The cabin has a multi-colour interior which captures the surrounding panel work along with the seating and operator controls while rear view and safety mirrors are integrated

into the railings. The tyres deserve mention as they have a crisply moulded tread pattern with good detailing of the hubs showing all the bolt fixings, even on the inside surface of the wheels which is good to see.

The loader arms rise up to an authentic height with a good tipping angle for the bucket which is superbly modelled with good surface definition of the wear plating and contoured teeth fitted to the angular cutting edge. The upper spill guard looks great with the numerous cast slots but the only let down on the model are the pair of silver headed screws holding it in place. It would have been better to paint the heads over with matching paint to help hide them. That aside, NZG has done a fine job bringing the Komatsu WA1200-6 model to reality.

Model Details

Manufacturer / Scale

NZG 1:50th

Price / Availability

£300

The Good

Photo-etched grill, fully detailed bucket, replicated cabin interior.

The Not so Good

Visible unpainted screws on the bucket.

TPM Verdict



WWW.MODELL-OVP.DE
Maßstabs Modelle - Miniatures - scale models
Meierstrasse 1, 31592 Stolzenau, Germany,
Tel: +49(0)57619019540

Left: View from behind the cabin showing the metal safety railings and rear view mirrors.



Concrete Pump Replicas

Concrete pumps are an essential machine used on a number of construction sites where concrete needs to be placed in areas where the concrete mixers cannot reach. Typical applications include bridge and building foundations along with floor installations in multi-storey buildings. There have been a number of concrete pump models produced in the past from OEM's including Stetter, Putzmeister and Waitzinger, the latter now a part of the Liebherr group. Three new concrete pump models were announced at the Toyfair back at the end of January and I now take a look at the latest offerings



Left:
The model is a good representation of the full sized truck.

Cifa K45H Concrete Pump

NZG 1:50th Scale

The Cifa K45H is possibly one of the most detailed of the concrete pump models on the market with great attention to detail throughout. Based on the latest 4-axle Mercedes Benz Arocs chassis, the model has a pair of steering axles with a replicated cabin interior highlighting the left hand drive layout with pre-fixed wing mirrors, inset clear glazed lights and a silver finished Mercedes logo. The body features extending outriggers in an X-pattern with the front ones telescopically extending two-stage while the larger rear outriggers are hinged and fold outwards into position before the jacks are lowered which is achieved by rotating the pads. Mats are included in the box and there is a storage frame integrated into the rear of the chassis where they can be positioned during transport to the job site. The rear hopper has a detachable cover which can be positioned in the open or closed

position with a grate set into the lip of the hopper and piping extending from the rear piston pump assembly to the rotating mounting for the placement boom.

The boom is constructed from five sections which are Z-folding with each section fitted with fixed tubing for the material transport. NZG has gone the extra mile here by adding all the hydraulic hose work which really gives the model a realistic look coupled with fairly stiff cylinders that allow the placement boom to be positioned without it falling down. The paint finish is excellent throughout with light grey used for the body with a white cabin and a contrasting orange and silver colour scheme for the boom. Markings have been accurately placed on the outrigger arms, jack legs and boom with a printed number plate rounding off the model nicely.



Above: *The boom neatly folds up for transport.*



Right: *The placement boom is fitted with both hydraulic hose lines and transfer tubing.*



Above & Left: The rear hopper has a detachable cover and good internal detailing with access up to the controls.



Above: The outriggers are fully functional with lowering jack legs and separate mats.



At full extension, the model has an impressive reach.

Model Details

Manufacturer / Scale

NZG 1:50th

Price / Availability

£150

The Good

Superb detailing of the placement boom, working outriggers.

The Not so Good

none to mention.

TPM Verdict



Left: The boom unfolds authentically with stiff cylinders helping it remain in position.



Left: Latest version of the Liebherr 43 R4 XXT concrete pump from NZG in 1:50th scale.



Above: The THP140H pump has an output of 138m³/h with a 600 litre hopper capacity.

Another impressive concrete pump model from NZG with a striking Liebherr decoration.



Liebherr THP140H 43 R4 XXT Concrete Pump

NZG 1:50th Scale

The acquisition of Waitzinger by Liebherr-Mischtechnik has given them a full portfolio of concrete products, from mixers and placement equipment to pumps, distribution systems and batching plants. Liebherr has commissioned a number of concrete mixer truck models including 3, 4 and 5 axle rigid and articulated mixer trucks so it is no surprise that a model of their new range of concrete pumps would follow. Based on the existing 1:50th scale Waitzinger 42XXT model from NZG, the updated version is mounted to a brand new Mercedes Benz Arocs 4-axle truck chassis with a totally new colour decoration incorporating the Liebherr white, yellow and grey colours. The XXT outrigger system has been accurately captured and offers the ability to set up in constricted spaces while still providing a stable base. The 4-section R-folding placement boom is

now finished in the Liebherr grey colour with contrasting yellow tubing running along the boom sections where they terminate in a rubber discharge tube. The rear hopper has a detachable cover which can be fitted in either the open or closed position with steps integrated into the chassis to give access to the placement boom control panel. The new decoration is complimented with crisply printed Liebherr logos and markings on the outrigger arms and makes another great addition to the Liebherr model fleet.

Model Details

Manufacturer / Scale

NZG 1:50th

Price / Availability

£130

The Good

Working outriggers and functional placement boom, latest Arocs chassis.

The Not so Good

none to mention.

TPM Verdict



Right: The 4-section R-folding placement boom has a vertical reach of 42m and a horizontal reach of 38m.



Largest of the compact wheel loaders from Terex, the TL120.

Terex TL120 Wheel Loader

NZG 1:50th Scale

In the last issue, I took a look at the latest releases from NZG in the Terex construction line and I now round out with the TL120 wheel loader, another fine replica from NZG which is packed with detail.

The TL120 is the largest model in the Terex compact wheel loader line, tipping the scales around 7 ton with a bucket capacity ranging from 1.2 to 1.8m³ with a transverse mounted Deutz 4-cylinder turbocharged diesel engine delivering 100hp. The independent hydrostatic transmission and 2 speed ranges

allow for a top travel speed of 20km/h while an optional 'high speed' derivative offers up to 36km/h.

The 1:50th scale model from NZG is typically full of great features and detail, from the surface engraving of the bodywork with highlighted grill slots, the articulating chassis and underside drivetrain to the rolling rubber wheels that have an

authentic tread pattern. Silver finished steps are fitted both sides leading up to the cabin which contains a nice moulding of the interior, complete with all the essentials including driver's



Above Top: Good surface detailing on the rear bodywork.

Above Bottom: Good attention to detail inside the cabin



Excellent range of movement of the loader arms and bucket.



Above: NZG special issue version shown alongside the corporate white version.



Left: Excellent bucket tip angle and added hydraulic lines for realism.



Right: A special version of the model has been produced in the house colours of NZG as their toy fair 2015 model and one is up for grabs in our competition (see page 57 for more details).



seat and steering wheel. External cab detailing includes rear view mirrors added to the frame and an amber beacon on the roof. The loader arms achieve a very realistic range of motion with the tipping angle of the bucket excellently replicated. Flexible hydraulic hoses have been added for extra realism along with small front facing lights with painted lenses. The paint finish is flawless, as expected from NZG with good replication of the Terex logos and markings along with various tiny safety labels. For the 2015 toy fair, NZG produced a special version of the

model decorated in the red and black NZG house colours with white printing which looks stunning, and for one lucky reader, there is a chance to own one by entering the competition on page 57.

Model Details

Manufacturer / Scale

NZG 1:50th

Price / Availability

£80

The Good

Excellent fine detailing throughout.

The Not so Good

None to mention.

TPM Verdict



You will **FEEL** the difference.



Bell B30E | scale 1:50

Size: 20x7x7 cm

Weight: **450 g**

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Scale 1:32

Forklift Trucks

Fork lift trucks continue to be a popular replica to be produced in the larger 1:25th scale with both Conrad and NZG releasing several new Jungheinrich models this year.

Jungheinrich TFG 680

The TFG 680 is a diesel drive lift truck with a service weight of 12.4 ton and a lifting capacity of 8 ton. A GM 5.7 litre V8 engine provides power to the hydrodynamic drive system to allow a maximum loaded travel speed of 22.4 km/h while a reach height of 3.6 metres is possible with a fork pitch of up to 2 metres. The model from NZG has captured the aesthetic appearance of this powerhouse very convincingly, starting with the good level of detailing of the cabin, complete with all the operator controls and display console with an opening side door and diamond plate floor panel. The double tyres at the front have a very crisply moulded tread pattern with the rear axle providing the steering. The mast

has forward and backward tilt which is powered by hydraulic cylinders with an extending mast and sliding fork carriage which holds the pitch adjustable forks. Two versions of the model have been produced by NZG, with both the standard forked configuration and also with a

grapple which features a small lower and large upper clamp which is functional, allowing it to grip the included plastic simulated paper roll. The grapple can be rotated to transfer rolls from vertical to horizontal orientation and the assembly has some side-to-side movement for fine positioning.



Above: Good cabin detailing with opening side and upper cover revealing the replicated Kubota engine.

Jungheinrich DFG 425

Another model from the counterbalance range of diesel powered fork lift trucks is the DFG425, with a lifting capacity of 2.5 ton and a service weight of 3.66 ton. The Kubota V2403-M-T 4-cylinder combustion engine lies at the heart of the chassis with the entire L-shaped panel tilting upward for easy service access, complete with detachable side panels. Conrad has done a good job of replicating this aspect on the

1:25th scale model, with both side panels twisting free to reveal the nicely modelled and decorated engine block within while the entire upper panel is hinged and rises up for better access. All the hand and foot controls have been modelled within the cabin area with a contoured seat with good surface detailing. The rising single stage mast has angular tilt adjustment with pitch selectable forks, complete with a plastic pallet.



Right: The 1:25th scale DFG425 has been replicated to Conrads usual high standard.

Right: Good functionality of the mast and fork carriage.



Left: The 1:25th scale Jungheinrich TFG680 models from NZG make a great pair.





Left: The roll grapple is fully functional with opening clamps and rotation movement.



Right: The roll carrier version is impressive with good functionality throughout.



Above: The forked version is capable of lifting a heavy load, here carrying the DFG425.



Above: The internal cabin detailing is to a high level with all the controls replicated.

Jungheinrich EKS 210a

Rounding off the new additions is the Jungheinrich EKS 210a auto pallet mover, an interesting adaption based on a trusted vertical order picker design with the addition of electronic monitoring and control systems to allow the truck to be used in fully automated situations while controls allow for mixed operation with an operator. Numerous sensors monitor the travel route while laser navigation eliminates costly floor and conversion work, using reflectors within the warehouse. The 1:25th scale model from Conrad highlights all these technological aspects, from the laser system mounted low down in the body to the various sensors on the top

of the mast. The operator area has all the controls modelled along with the finely printed display console which looks very authentic. The mast has pitch adjustable forks and can be raised for stacking operations.



Above: The laser module is accurately integrated into the chassis with a steering main drive wheel.



Left: The 1:25th scale EKS 210A has a fine paint finish with good detailing throughout.

Right: All controls, display screen and sensors have been replicated