## SANDVIK Model Review

**Steven Downes** looks at some different models for plant enthusiasts.

andvik Mining and
Construction is a subsidiary
of the Sandvik Group
and produces a range
of specialist equipment for the
surface and underground mining
sector. These types of machine
are not usually seen in model
form, so it is refreshing to see that
Conrad has been commissioned
to produce a new range of
highly-detailed 1/50 scale diecast
models.

The DP1500i is a self-propelled surface drilling rig featuring a crawler chassis and operator cabin with an HL1560 hydraulic rock drill, which gives a high rotational torque for drilling into various rock conditions. Conrad has done a great job capturing all the details of the full-size machine into the 1/50 scale diecast model presented here.

The tracked undercarriage has two small hydraulic cylinders, which allow the track frames to pivot by about 15 degrees in both forward and backward direction, with moulded plastic tracks fitted to the frames. The rear body casting has a crisply-cast vent texture on both side panels and top engine housing, along with a chrome exhaust and rear-

lenses.
The rock drill
is mounted to
a cradle which
slides along the
feed, while the
replicated drill rod
positioning system
swings out and can
hold one of the metal drill
rods, which are supplied in the
box and fit into the rod holder.

facing work lights

with painted



The boom features a telescoping section and a number of hydraulic cylinders, which allow the boom to be positioned at a number of different angles, allowing both horizontal and vertical drilling poses.

vertical drilling poses.

The large cab has been fully reproduced with a detailed interior, consisting

The Sandvik DP1500i Self-Propelled Surface Drilling Rig from Conrad in 1/50 scale. of contoured seat, joystick controls and display console. The large front window has an opening cab guard screen which is a nice touch on the model, while the work lights integrated into the roof and lower cab have silver painted lenses, adding to the

level of realism throughout. The model is finished in

the striking orange and grey Sandvik livery, with accurate placement of the machine's designation on the cab sides and rear y.

The second model release is the Sandvik LH621 underground wheel loader, which has been accurately modelled from the full-size

body.

machine. The LH621 is powered by a low emission, 475hp Detroit Diesel S60 DDEC engine and Dana 8421H transmission with a high breakout force, smart geometry and responsive controls which result in high



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compartment reveals the various electrical

an electrical cable drum with simulated

electrical cable and a water hose, along

with fold-down rear access ladder and two

stabilisers mounted behind the rear wheel

arch, which can be lowered to give a stable

footing for the model. The rear wheels have

turn, while the front of the model features a

double set of wheels with authentic treaded

rubber tyres, along with two more stabilisers,

which extend from the chassis with screw-

working steering with a good degree of

and hydraulic components within, including

The main, centrally-located operator station has a contoured seat, with display panels and controls for operating the three main drill booms, which are clearly visible through the large front windscreen, which is complete with printed windscreen wipers. The entire cab can be elevated via a two-stage central support and side-fitted ladders, complete with grab rails, extend with the cab, which is a great touch on the model. Accurately-scaled grab rails Rear view of the Sandvik have also been added to the DT1130i Jumbo Underground Drill is equally detailed. cab frame, with front and rearfacing work lights integrated into the cab roof, complete with painted lenses. The open design of the rear engine

threaded pads that can be lowered to raise the wheels off the ground.

The two section telescopic boom mounted to the chassis is fitted with a workman basket, used for utility and bolt driving purposes, which has all-round railings and roof panel for total operator safety and can be both tilted and rotated to obtain the perfect reach. Each feed is connected to the boom via a linkage which offers rotational and angular

movement in both an X and Y axes, and this part of the model fully replicates the movement of the full-size machine. The drill motor slides smoothly along the mast and a metal drill rod with detailed drill tip is fitted to each mast. Each feed slides smoothly along the frame mounted to one of the three main, three section telescopic booms which have both height and angular movement and all this functionality shows just how much engineering has gone into producing this amazing and unusual model. DC

