

Volvo excavators

Steven Downes brings news of four new Volvo diecasts from the Bauma trade show.



EW160C wheeled excavator.

Volvo has unveiled four new diecast models at the recent Bauma trade show, adding to its popular 1/50th scale range. Interestingly, Volvo has moved away from Motorart as its main producer of the construction line with NZG producing the latest releases.

The EW160C wheeled excavator is powered by the 6-cylinder D6E EDE3 Volvo Advanced Combustion Technology (V-ACT) fuel efficient diesel engine generating 142hp. With a working weight of 16.5-18 ton, the twin outriggers have a wide stance for superior stability with a wide footprint



EW160C wheeled excavator elevated cab.

blade and long wheelbase coupled with a two-step Power Shift gearbox powering the front and rear axles.

NZG has done a great job in capturing the EW160C with a fully functional two-section boom and stick with a rotating grapple attachment connected to the bucket linkage. The elevating cab with a replicated interior can achieve an impressive height and remains parallel which shows the level of engineering found in the model. The outriggers and blade can be adjusted with moulded rubber twin-tyres showing an intricate tread pattern and steering front axle whilst the upper structure has accurately scaled safety railings and detailed engine panel grilles.

The EC460C tracked excavator is another well engineered model featuring an accurately dimensioned undercarriage with detailed track frames and individually linked metal track pads with grouser and bolt heads visible. The body structure has grille panel detailing

cast into the surface with accurate black grille printing and an opening engine cover which reveals the replicated 6-cylinder Volvo D12D diesel engine block. The rear counterweight incorporates a non-functioning lifting mechanism for self loading/unloading of the counterweight during transport and this addition adds to the realism of the model. The cab interior has



EC460C tracked excavator with its opening cover revealing the 6-cylinder Volvo D12D diesel engine.



been fully replicated with scaled grab handles and rear view mirrors added to the frame whilst the main boom, stick and bucket linkage have a very realistic range of movement.

From the Volvo compact excavator range is the EC20C mini tracked excavator which, in 1/50th scale, demonstrates the engineering advances over the last few years. Models of this type of machine have typically been in a larger scale to demonstrate the functions of the machine and yet, NZG has captured the



The L50F mid-sized wheel loader with its accurately replicated 115hp Volvo D5D diesel engine block.

1/50 scale EC20C mini tracked excavator.

main functionality very well in 1/50th. The boom, stick and bucket have a reasonable amount of movement with hydraulic piping and cylinder protection bar all present. The undercarriage has rubber tracks with a detailed tread pattern and functional stabiliser blade whilst the Volvo Care Cab has been accurately modelled with a detailed interior visible through the slightly tinted windows. Grab rails, rear view mirrors and an amber beacon have all been added and there is even a radio aerial fitted to the rear of the cab for total realism.

Rounding off the set is the L50F mid-sized wheel loader which features a torque parallel loader linkage for smooth, parallel lift and high tilt-back torque, great for pallet handling. With separate load-sensing hydraulic pumps, full steering power is achieved regardless of loading with the automatically adjusting pumps matching work demand and increasing fuel efficiency.

The model has been nicely conceived with the highly detailed Care Cab featuring a replicated interior with grab handles, rear view mirrors, photo-etched windscreen

wiper, radio aerial and amber beacon all present. The access steps on each side of the chassis have textured anti-slip surfaces and the articulating frame achieves a good degree of steering. The single piece rear engine cover lifts up to reveal the accurately replicated 115hp Volvo D5D diesel engine block at the heart of the engine bay with cooling radiator and associated components all visible. The freely rotating wheels have a realistic moulded tread pattern with a driveshaft linking the transmission to the front and rear axles whilst the front loader arms are fully functional with the replicated parallel loader linkage and general purpose 1.5 cubic metre bucket.

Available later in the year is a set of three 1:50th scale models of the Volvo concept machines, consisting of the Centaur articulated hauler, the SFinX tracked excavator and the Gryphin wheel loader which demonstrate the technological advances and give a glimpse of what Volvo construction machines will look like in the future. **DC**