

CONSTRUCTION EQUIPMENT

BY DAWN M. GESKE



The SKL260H wheel loader is the largest model in Terex's SKL series weighing in at 32,855 lb.

Terex Tops Off Wheel Loader Series

Terex has launched the eighth and largest model in its SKL wheel loader series with the new SKL260H. Positioned at the top of the lineup, the 32,855 lb. wheel loader has increased horsepower, a 3.3 to 6.0 cu.yd. bucket capacity and a hydrostatic transmission.

"Larger wheel loaders increase productivity because they're designed to run faster, lift more and dump more than compact units," said Lowell Stout, product manager at Terex. "The SKL260H with hydrostatic drive is no exception."

Powering the SKL260H wheel loader is a 6.0 L six-cylinder turbocharged Perkins 1106C-E60 TA diesel engine rated 175 hp at 2200 rpm. The Tier 2 engine is direct injected, intercooled and packaged with a

Mann+Hummel air cleaner, Denso radiator and HJS exhaust system.

The engine is transversely mounted at the rear of the chassis with an air intake system that has been routed to pull air from behind the cab. This, Terex said, results in cleaner air being drawn into the machine. "We've utilized the same reliable engineering Terex is known for in developing the SKL260H wheel loader," said Stout. "An auto-reversing cooling fan keeps the radiator clean and improves cooling performance."

Key to the design of the SKL260H is the hydrostatic drive system, which is powered through a two-speed Bosch Rexroth hydraulic motor splined to the Dana rear axle. The closed-loop hydraulic system provides infinitely variable speeds both

forward and reverse, topping out at 25 mph. "Unlike mechanical drive units," said Stout, "the hydrostatic drive reduces tire slippage. The result is faster cycle times and less wear and tear on the tires."

The driveline also incorporates Dana's planetary final drive front and rear axles with multidisc brakes and 45% front and rear differential locks. A selection of Michelin, Bridgestone or Goodyear tires round out the drivetrain assembly.

To supply the wheel loader's lift and tilt functions, Terex has integrated a proportional hydraulic valve with three control circuits into the hydraulic system. This directs flow to the lift and tilt cylinders produced by Terex as well as the pilot controls and articulated steering. "The proportional hydraulic

valve delivers on-demand oil flow, significantly reducing fuel consumption," said Stout. The 42.3 gpm circuit gives the SKL260H wheel loader its 10,584 lb. operating load capacity, 24,255 lb. tipping load capacity and dump height of 8.08 ft., depending on bucket. Bucket options range from general purpose to light-material configurations in 3.3 to 6.0 cu.yd. capacities.

Terex also enhanced the operator

cab on the SKL260H wheel loader, adding a cushioned, adjustable seat, tilt and telescoping steering wheel, Unideck gauges that are housed on the instrument panel, and MCS foot pedals to control travel. A Bosch Rexroth pilot control operates the wheel loader's bucket functions. The cab also includes a heat and air-conditioning system, two doors and floor-to-roof glass windows for increased visibility.

Terex manufactures the SKL260H wheel loader in Langenburg, Germany, at its Terex-Schaeff subsidiary. With the new SKL260H model, Terex's SKL series spans eight models that range from 50 to 175 hp with operating weights of 9050 to 32,855 lb. **dp**

diesel Weblink

www.terex.com

Dumpers Finding More Uses In The U.S.

Different markets often develop different equipment preferences to meet the specific demands of their applications. Often, those demands are unique enough to result in a particular machine being popular in one region and unheard of in another.

Yet every now and then, a piece of equipment that is a staple in one market can, over time, grow to have an impact in another. A good example of that is Terex's PS6-AWS dumper. Originally developed in the 1950s, the machine has been widely used in other parts of the world, but is just now finding its niche in the U.S. equipment markets.

The dumper, which is essentially a scaled down version of a dump truck, has been used throughout Europe to accommodate the transporting of materials down the narrow roadways of the region, providing 90° dumping on either side. The U.S. market is finding increasing application for the 13,228 lb. payload capacity machine, using it to fill trenches, transport sand to golf courses or even move concrete in the Midwest.

"Let's say you've dug a trench and now you need to lay gravel at the bottom," said Lowell Stout, product manager at Terex. "Simply drive the PS6-AWS parallel to the trench, rotate the bed and start dumping, filling the trench as you drive along. It's a versatile machine that will help increase on-site productivity."

The PS6-AWS dumper is driven by a 4.0 L four-cylinder Perkins 1004C-



Long a mainstay in Europe, the Terex PS6-AWS dumper is finding increased applications in the U.S.

44 diesel engine rated 82 hp at 2200 rpm. It is packaged with a Denso Marsten radiator, which is accessible through a tilt-up hood that resembles the design used in Terex's backhoe loaders. "The design gives operators unrestricted access to the engine and cooling system, which simplifies servicing the machine," said Stout.

The engine is mounted on the rear of the chassis and mated with a Turner powershift transmission with four forward and four reverse speeds. Carraro front and rear axles complete the driveline, along with fully enclosed oil-immersed multiplate disc brakes and 1600x20, 12-ply tires. The PS6-AWS dumper has a travel speed of 17 mph and turning radius of 25 ft., Terex reported.

The PS6-AWS dumper's bucket tilt functions are hydraulically powered through a Bosch Rexroth hydraulic

pump that supplies a single hydraulic cylinder mounted under the bucket bed. The cylinder allows 90° dumping from either side of the machine, allowing the operator to keep the chassis straight while unloading from the side. Heaped capacity on the dump bucket is 4.5 cu.yd.

The operator platform on the PS6-AWS dumper is at the rear of the machine, overlooking the dump bed. All operator controls are located there, as well as the Grammer seat and full ROPS.

The PS6-AWS is the largest model in Terex's seven-model dumper lineup ranging from 4409 to 13,228 lb. capacities. It is produced in Coventry, U.K. **dp**

diesel Weblink

www.terex.com