

Two new compact engines meet customer needs

The Perkins® Syncro range is comprised of 2.8 litre and 3.6 litre engine options, designed to bring your business success today - and tomorrow.

Offering outstanding power density in a compact package, the range has been designed to easily integrate into existing, and future, generations of machine. Meeting current and future emission standards worldwide, including EU Stage V as proposed, the range has the flexibility to adapt to new machine technologies as they evolve.

The 4 cylinder 2.8 litre 904J-E28TA delivers a maximum of 55 kW (74 hp) with torque of up to 325 Nm, while the 3.6 litre 904J-E36TA offers an impressive 100 kW (134 hp) and up to 500 Nm of torque.

Robust and adaptable power solutions which are ideally suited to compact construction and industrial machines, their high power and torque density supports Original Equipment Manufacturers (OEMs) looking to move to smaller more compact engines, while the low fuel consumption, fast response and electronic integration will help customers to differentiate their machines.

The 2.8 and 3.6 litre engines have 4 valves per cylinder and have been designed to fit in more than 80 machine models, enabling OEMs to access multiple territories and further grow their business.



904J-E36TA

 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

Nexen solves hazardous issue with Perkins help

When UK based fork lift truck manufacturer Nexen received a tender from a North African petrochemical company to supply a number of vehicles for work in hazardous areas, business development manager, Jarrad Oakes, faced a bit of a challenge. With the company's existing engine supplier unable to supply a lesser-regulated engine of the correct power output and specification, he made the call to Perkins and chose the EU Stage IIIA Perkins 1104D-44 engine. "We had a number of criteria to meet, the first one obviously was choosing an engine that could power a 5 tonne truck and was

suitable for the duty cycle. A major factor was also using an engine that was readily adaptable for hazardous area working, so that it was ATEX 94/9/EC compliant," explains Jarrad.

"There was a great deal to do and, with respect to Perkins and my team, what normally would take up to 18 months to complete was squeezed into just four months. I'm not sure many other engine suppliers could have been as quick to respond."

Extra low voltage lighting tower

Morris Site Machinery is showcasing its latest product, the SMC TL-90 DC-ELV, one of the most efficient extra low voltage mobile lighting towers on the market, at Bauma 2016. The company specified the reliable Perkins 402D-05G engine for its new compact lighting tower as it offered excellent

500 hour service intervals, was fuel efficient (0.68 litres per hour) and was already a proven installation in the Australian market which Morris Site Machinery is targeting as part of its global growth strategy. This mobile tower light is easy to transport and features four

300W powerful LED lamp heads giving directional, clear and crisp light with a spread of up to 100 metres. It is super silent and offers up to 165 hours of uninterrupted operation.

To see the Perkins powered SMC TL-90 DC-ELV visit Morris Site Machinery on stand 227/K in the CEA UK Pavilion

New backhoe

Global equipment solutions provider, Terex Construction, has unveiled a new addition to its backhoe loader portfolio at Bauma 2016. Terex Construction states that its versatile, reliable and cost efficient TLB830 has been specifically designed with the user in mind. Featuring a 70 kW (94 hp) Tier 3 Perkins 1104 engine for the South American and RoW marketplaces, each model comes with synchro transmission, air conditioning and servo excavator controls as standard.

For more information visit Hall FM.711

Perkins extends its industrial engine range

Customers are now set to benefit from a new extended range of Perkins industrial engines, with power outputs up to 597 kW (800 hp). The introduction of four new 9.3, 12.5, 15 and 18 litre platforms enables OEMs to extend the use of our industrial engines across their range.

This complete suite of engine platforms, from 8.2-597 kW (11-800 hp) enables OEMs to work with one global engine partner, to meet machine requirements and emissions standards around the world.

To help our customers drive business growth in new markets, we've developed a modular engine architecture across our engine range. This approach delivers the performance and productivity customers' need, while enabling OEMs to develop single machine designs adaptable to multiple emissions standards. A robust and reliable performance is assured from our new 1700 Series, which delivers excellent power density. It is designed to meet Stage V/Tier 4 Final emissions standards. The 6 cylinder 1706 model is a 9.3

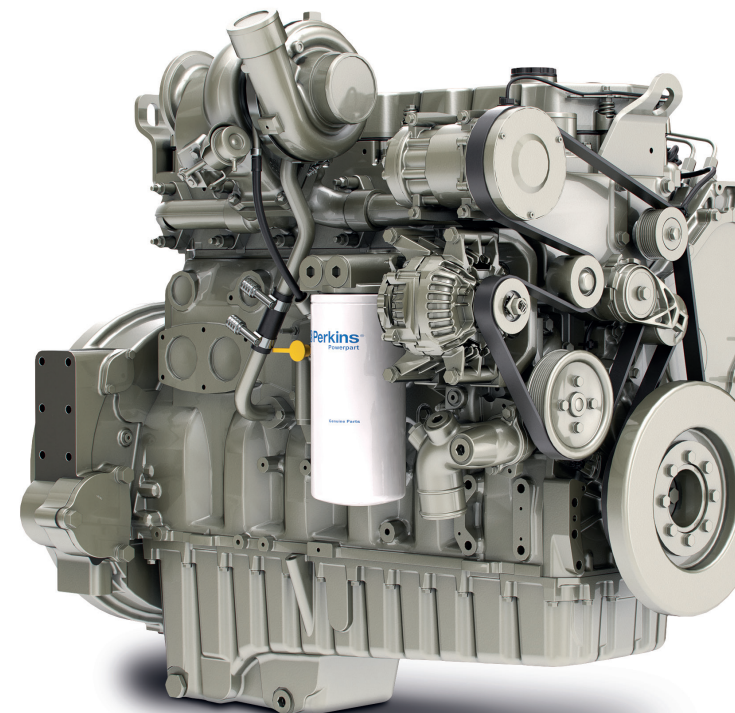
litre turbocharged, aftercooled engine with power outputs up to 340 kW (455 hp), making it the ideal choice for hard-working construction applications.

Our industrial 2206 Series is a 6 cylinder turbocharged and aftercooled engine which delivers 388 kW (520 hp) and will meet Stage V and Tier 4 Final emissions standards, as will our new 2506 Series, which at 433 kW (580 hp), is ideally suited to heavy duty construction applications.

The largest industrial engine in the range is the 2806 Series which features on-engine aftertreatment mounting which will result in reduced installation costs.

Delivering a powerful 597 kW (800 hp), the 18 litre engine, as with all the new Perkins engines, will be supported by our global aftermarket and service network.

For more information on our engine range visit www.perkins.com/products



1706J-E93TA

Engines need good quality oil

Using a good quality oil is genuinely better for your engine, as it will maximise engine life, control emissions and reduce the cost of maintenance. The correct oil will give you significant benefits such as smoother running, longer engine life and better return on your investment.

Perkins Diesel Engine Oil (DEO) has been formulated specifically for the long operating life, and performance of Perkins engines.

Designed to meet the needs of our hard

working off-highway engines, we recommend Perkins DEO 15W-40 API CI-4 as the only oil to use in Perkins engines, EU Stage IIIA/U.S. EPA Tier 3 equivalent and below.

To gain the benefits from Perkins DEO, which is available in 20 or 208 litre quantities, contact your local Perkins distributor - **distributorlocator.perkins.com**



Genuinely better value parts from Perkins

Our customers depend on their 400 Series engine whatever the conditions and we, along with our distributors, are here to ensure you get the support you need.

Don't put your engine at risk by fitting non-genuine parts. You'll get the best value for money from your 400 Series engine by always using Perkins Genuine Parts and Service, to maximise your productivity and minimise your downtime.

To see for yourself the difference Perkins genuine parts can make to your engine watch the Genuinely Perkins 400 Series video at **www.perkins.com/genuinely**

The best value cover for your Perkins engine

Perkins has re-launched its Extended Service Contracts as Perkins Platinum Protection.

To support our customers beyond the standard warranty period, we have launched the Perkins Platinum Protection which covers up to five years, 15,000 hours and the repair and replacement of 100 percent of engine components.

You need to buy your cover before your standard factory warranty expires via your local Perkins distributor. For more information visit **www.perkins.com/platinumprotection**

