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Intermat Paris 2018
Perkins stand: Hall 5A C 011

Perkins EU Stage V/U.S EPA Tier 4 Final engines on display at Intermat Paris 2018

Perkins Engines will display four engines at Intermat 2018 in Paris, April 23-28. More than 180,000 visitors and 1,500 exhibitors are expected at the show.

Visitors to the stand will see for themselves how Perkins and its 85-years of heritage is prepared for EU Stage V emissions regulations as it showcases its latest offerings and its continued momentum in the aftermarket.

One of these four engines is the new Perkins[®] 1706J-E93TA EU Stage V/U.S. EPA Tier 4 Final engine, which is now in production. For three years, the 9.3L offering has completed a rigorous pilot and validation program, accumulating more than 100,000 hours in laboratory environments and in dozens of customer machines in the field. "It is great to see this engine performing exactly as it was designed to," says James Schnuriger, Perkins marketing manager for 9-13L platforms. "The high-power output of up to 340 kW makes this engine ideal for Original Equipment Manufacturers (OEMs) wanting to downsize from larger 10-13L engines."

Making history with the widest range introduction

"The Perkins EU Stage V range has more models from one manufacturer than any other, so the 9.3 litre is just the beginning," says Oliver Lythgoe, Perkins product concept marketing manager. Perkins will have 14 different engine sizes from 0.5 - 18 litres and provide tailored solutions to customers to deliver 6 – 470 kW of power.

Innovation and product investments never stop at Perkins. "Even after the emissions introduction, we will continue to release new models and add new features to our range," Oliver says. "This gives our OEM customers power solutions that are adapted to their machines and their business models."

Real value - more than emissions

Perkins has made significant investment in its EU Stage V program with the introduction of six new engine models to extend its power range with the Perkins® 1700 Series, 2200, 2400, 2600 and 2800 Series and the Perkins® Syncro 2.8L and 3.6L, which are on display at Intermat.

As Perkins products have continued to evolve, considerable upgrades have been made to offer more value to OEMs and end users. One example is the Perkins® Syncro 1.7L, where the torque has been increased by 34 percent and the power by 24 percent making it the most power dense (kW/L) product in its class.

Another example is the Perkins® 1204J-E44TTA, which is on display at Intermat and now delivers up to 150 kW, a 15 percent increase from its Stage IV predecessor. Fuel consumption has also been improved by five percent. The compact yet powerful 4.4 litre engine allows OEMs to downsize without compromising on performance. Furthermore, with no change in aftertreatment size from the Stage IV product, and a reduced cooling package size, OEMs will be able to easily integrate the engines into their equipment with minimal re-engineering.

Reliable off-highway technology

Meeting the EU Stage V emissions regulations has not been particularly challenging for Perkins. “The main difference between Stage IV and Stage V has been the particle number count, which is driving particle filtration exhaust aftertreatment for all engines between 19 - 560 kW,” Oliver says. “Although this is new technology for some companies, Perkins has been using this technology in off-highway machines for many years. In fact, we have powered more than 500,000 machines running on construction sites, which have accrued nearly 900 million hours, all fitted with this type of aftertreatment.”

Choice below 19 kW

One area of focus is below 19 kW. EU Stage V emissions in this power band can be met without the need for exhaust gas recirculation, electronic controls or diesel particulate filters. Later in 2018, Perkins will introduce a choice of engines below 19 kW. “We are talking to many machine manufacturers,” says Oliver. “OEMs are finding that, in many cases, they can reconfigure hydraulics to keep power requirements just below 19 kW and are looking to us for solutions. Increasingly, European OEMs are

realising that with Perkins, they can get the world-class build quality and value they expect from a local, trusted provider, which makes logistics and communications much easier.”

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Note to editors

Perkins is one of the world's leading suppliers of off-highway diesel engines in the 4 - 2000 kW (5 - 2800 hp) market. Perkins' key strength is its ability to tailor engines precisely to meet customers' requirements, which is why its engine solutions are trusted by more than 1,000 leading manufacturers in the industrial, construction, agricultural, material handling and electrical power generation markets. Perkins distributor network provides support wherever needed around the world. An extremely high standard is set to ensure the distribution network provides an outstanding service to all customers.

For more information please contact: press@perkins.com