

Liebherr and Shanghai Diesel announce cooperation

- Liebherr and Shanghai Diesel cooperate on the development of new high-performance engines
- Liebherr supplies hydraulic injection systems for use in decentralised power generation (genset)

Nussbaumen (Switzerland), July 11, 2019 - The Shanghai Diesel Engine Co. Ltd., a subsidiary of China's largest vehicles and components manufacturer, SAIC Motor Corporation Limited, and Liebherr Components have entered an agreement for the development of new high-performance off-highway engines.

As part of this agreement, Liebherr will initially supply hydraulic common rail injection components for use in Shanghai Diesel engines. This involves the 6-cylinder in-line engines of the newly-developed 6KTAA25-G3 series (25K) with a maximum power output of 780 kW and cylinder capacity of 25 litres.

"The strong demand for high-performance engines for power generation has encouraged us to develop a completely new engine series," says Yong Chen, Vice-President of Shanghai Diesel Engine Co. Ltd. "Therefore, we place great importance on the use of up-to-date injection components with the highest quality standards. The hydraulic components from Liebherr are ideally dimensioned for high-performance engines. Looking to the future, they will ensure that our new engine generation further keeps pace with the growing demands on fuel consumption and emissions."

One of the major advantages of Liebherr injection systems is that the compact injectors feature a high output per cylinder. For example, the LI2 side-feed injector with a 9 mm injection nozzle enables an outstandingly high hydraulic flow rate within a compact design. "Our tailor-made injection components allow us to serve engines in a particularly high-performance segment. Our injectors and pumps are also compatible with engine control units from other manufacturers, such as is the case with the engines of Shanghai

Diesel," explains Richard Pirkl, Managing Director Engineering & Production for the Common Rail Systems business unit at Liebherr. The common rail system and the engine control for the 6KTAA25-G3 series are handled by Shanghai Diesel's sourcing engine control units and software. Thanks to the standardised interfaces, the modular injection components from Liebherr can be seamlessly integrated in third-party control circuits.

"Thanks to the cooperation with Shanghai Diesel we have acquired another strong partner on the Chinese market," explains Pirkl. "We are very proud to have convinced another key player among the Chinese engine manufacturers of the Liebherr injection systems and look forward to build further on this cooperation."

Captions

shanghai-diesel-first-firing.jpg

Commissioning ceremony for the Shanghai Diesel 25K engine platform.

liebherr-fuel-injection-system11.2-sidefeed.jpg

Common rail system for Shanghai Diesel genset engines.

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