

## Concentric AB Secures order for new electric oil pump technology

Concentric AB has recently received an order from ZF, a global leader in driveline and chassis technology as well as active and passive safety technology, to produce electric oil pumps for a new driveline product. This is the second nominated application for the electric oil pump, with the first being a global OEM of buses and trucks.

Concentric's electric oil pump offers system power savings through its variable pressure and speed control capability with the additional benefits of low noise. The modular motor and controller solution can be used in conjunction with oil, coolant and fuel pumps.

A key benefit of the Concentric electric pump is the fact that they utilise a wet rotor concept. This removes the potential failure mode of a dynamic seal and is one of the key enablers to meet the demanding service life requirements.

The new electric oil pump product has an intelligent communication interface to control pressure and flow on demand. This significantly reduces system losses compared to traditional mechanical drive systems, ensuring optimum performance.

Paul Shepherd, Head of Engine Products Engineering and Development of Concentric AB commented: "This is the second major nomination for Concentric's new electric oil pump technology and another significant breakthrough in the fast growing Electromobility area."

The Concentric electric oil pump has been developed in collaboration with a leading supplier of electric motors, resulting in a permanent magnet, brushless DC motor with integrated motor drive electronics. The elimination of brush wear contributes to the unit's ability to operate continuously and trouble-free.

*Concentric AB is an innovator in flow control and fluid power, supplying proprietary systems and components to the world's truck, agricultural machinery, construction equipment and industrial applications end-markets. The company has manufacturing facilities in the UK, USA, Germany, Sweden, India, China and Argentina. In addition to supplying oil, fuel transfer and water pumps for diesel engines, the group also manufactures lubrication pumps for transmissions and compressors within its range of engine products.*



**Concentric's "Modular" design strategy ideally suited for a wide range of applications for emerging hybrid electric vehicles**