

Oil sensor feature prevents engine seizing

The new PTX series of Subaru pumps is powered by the EX-series Subaru

overhead cam (OHC) engine and is sold with a three-year guarantee on the engine, says equipment supplier Goscor Power Products national sales manager **Mark Bester**.

The PTX 220 two-inch pump and the PTX 320 three-inch

pump have a series of important features, including the standard oil sensor, which functions as a low-level cutout mechanism to prevent the engine from seizing, he says.

Further, the crankcase is ribbed on the inside and outside, resulting in the transfer of heat from the inside to the outside of the engine more efficiently, enabling the pump to run 30% cooler than competing pumps, he explains.

This cooler running temperature maintains the protective integrity of the oil for longer periods, significantly increasing the engine's life span, Bester says, adding that another feature that helps in the cooling of the engine is a specially constructed cover over the flywheel.

The OHC system was modelled on the Subaru WRX rally motor-car engine and is a patented design of Subaru. This means that the oil-pickup on the L-shaped connecting rod (con-rod) lubricates the timing chain, which, in turn, lubricates the valves and upper part of the engine, he explains.

The OHC design means that these types of engines have fewer parts, which means less wear and tear and increased durability, says Bester. The OHC engine also runs with less noise and vibration than other engines and meets US Environmental Protection Agency motor efficiency regulations.

The PTX 220 has a 3,4-kW



INCREASED DURABILITY

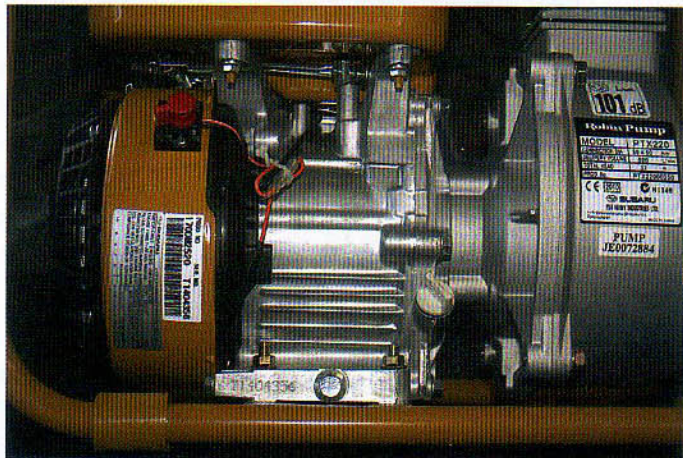
Teresa Jackson and Mark Bester with the EX-series Subaru OHC engine

engine, compared with the 2,6-kW engine of competing pumps, and the PTX 320 has a 4,5-kW engine, compared with the 3,7 kW of its competitors.

"This extra horsepower means that the performance of the pump in terms of flow and pressure is improved, making the pump more efficient.

"The increased power also adds to the durability and longevity of the engine, enabling Goscor to offer an extended three-year warranty on the engine," says Bester.

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RIBBED EXTERIOR

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