

Two New Transmissions From ITL

ITL has expanded the top end of its transmission range with the launch of the PS760 range of gearboxes. The range initially comprises two transmissions; the PS760 four-speed and the PS760 six-speed transmissions. Input torques are as high as 590 lb.ft. (800 Nm), making the new transmissions the largest units offered by ITL-North America, Pooler, Ga. The Pooler operations are the U.S. representatives for the U.K.'s International Transmissions Ltd., Wrexham, North Wales.

ITL said the new models have been designed using a modular approach, to offer a number of key new features and can be matched with Tier 2 compliant diesel engines.

Both transmission models feature a co-axial pump drive, and are the first ITL units to offer a hydraulic pump drive as standard. Both SAE B and SAE C mounting options are offered to suit individual requirements, where before only SAE B mounting was offered. This, together with a shorter overall length, gives improved machine packaging allowing a more compact machine hydraulic system.

The PS760 six-speed offers a wider overall ratio spread designed for improved loader performance at low speeds, together with an increase in road speeds up to 28 mph. Shaft bearings, together with the forward/reverse clutches have been upgraded to give increased durability on both transmissions, and allow the increase in input

ITL has introduced a pair of new transmissions targeted at a variety of off-highway applications. New are the PS760 four-speed and the PS760 six-speed transmissions which feature input torques are as high as 590 lb.ft., making the new transmissions the largest units offered by ITL.



torque to 590 lb.ft., with the six-speed transmission having an option of 737 lb.ft. (1000 Nm) input torque.

Gear shifting is electrohydraulically controlled via solenoid valves that now feature Deutsch connectors for increased environmental protection. An optional ECU gives an improvement in shift quality, together with the option for full automatic transmission control. In addition, the ECU control offers shift protection, while onboard diagnostics improve serviceability to new levels.

Other features common to both models include a manually applied wet parking brake. This can also be used to provide braking in an emergency if required. Four-wheel drive options include both hydraulically applied and

spring applied clutches. Control of the four-wheel drive is via the ECU.

Other key features listed by ITL include improved durability and reliability, along with reduced cost of ownership. All solenoid valves are grouped together to ease troubleshooting, while the transmission oil filter is easily placed for service. Oil and filter service intervals have also been increased.

ITL said applications for the two new transmissions include backhoe loaders, dumper trucks, crop sprayers, telehandlers, mobile cranes, aircraft aviation ground support equipment such as tow tractors and baggage handling tractors, agricultural tractors, articulated loading shovels, rough-terrain forklifts and cement mixers. ★

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