Device stops fuel theft

Fuel Defend has launched a new version of its simple to fit anti-siphon device called Neckit, which fits a wide range of construction equipment. The device that has become a regular item on commercial vehicles can be fitted without gluing or drilling or any modification to the tank neck. The manufacturers claim that it can also be transferred from vehicle to vehicle allowing a few units to be used when a serious risk of fuel theft is present.

The manufacturer also claims that the single piece aluminium device does not produce any form of splashback or 'welling', that it can cope with up to 120 litres a minute (50 gallons a minute) high flow filling pumps.

Russell Fowler chief executive of UK-based Fuel Defend Global said: "We are the first choice for truck fleets worldwide when it comes to safeguarding vehicle fuel tanks from both regular and opportunistic theft. We have considerable experience of the off-highway segment and fuel theft is as much of a problem on construction sites as it is at truck stops. Our product range – which grew out of a need to protect fuel tanks at a diamond mine – provides a highly cost effective deterrent against what is becoming a growing problem."

The new device will fit Liebherr, Komatsu, Caterpillar, Case, Hitachi, JCB, Manitou, Doosan, Yanmar, Kobelco and Takeuchi products, while additional equipment manufacturers are being added all the time.

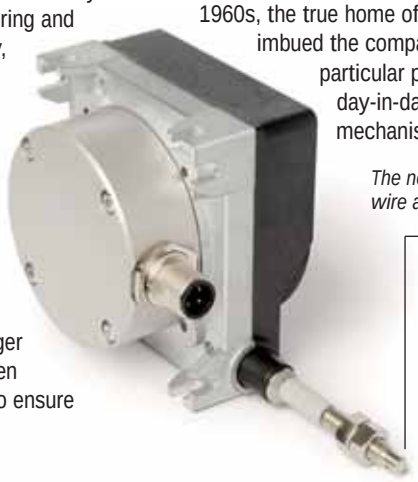
Fuel Defenders Neckit anti siphon device

Improved outrigger extension sensors

German manufacturer Siko has introduced a new draw wire actuator - the SG30 and SG31 - for measuring and monitoring outrigger beam extension. The new units, which offer a constant and progressive readout, come in any length from 600mm to 15 metres. They also offer a wide variety of wire exit points and various types of output connections while incorporating the double redundancy required within EN280 and other standards.

Major benefits of the new sensors are the fact that they are more compact and rugged than previous systems, with a heavy duty zinc die-cast outer casing and tough fibreglass reinforced plastic spring housing.

The units can easily manage temperatures as low as minus 40 degrees without losing any measurable level of accuracy. With loader cranes already requiring outrigger position monitoring and mobile cranes set to follow shortly, the need to feed such information back into the machines control system is likely to become standard on all lifting equipment within a couple of years or so. There is also a tendency towards totally variable outrigger positions on both cranes and lifts with platform capacities or load charts adjusted to suit the precise outrigger positions. In order for this to happen without sacrificing reliability and to ensure accuracy, good quality length sensors will be required. Siko claims that its Black Forest heritage - the company was founded in Buchenbach in the 1960s, the true home of the cuckoo clock - has imbued the company and its engineers with a particular passion for accuracy and day-in-day-out reliability within the mechanisms it produces.



The new SG30 draw wire actuator from Siko

New force transducer

Tecsis has introduced a new heavy duty in line tension/compression force transducer for the testing or monitoring of cables chains or slings etc. The F2226 can be integrated directly into the line of force with the load applied via two threaded pins, located at each end of the stainless steel cylindrical transducer body.

The entire unit is waterproof to IP67 and can be used in extremely harsh industrial environments.

Nominal forces are available from 10 kN up to 3,300 kN (1 to 336 tonnes force).

Tecsis claims that total accuracy is between 0.15 and 0.2 percent of full scale depending on the nominal force. The transducer can be used in test bench applications or directly on lifting equipment/rigging.

The new Tecsis F2226 force transducer

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