

# Crane cab HVAC units

US air conditioning and heating systems manufacturer Kenway Engineering has introduced the Kenway 9067, a hydraulically powered, flameless heating, ventilation and air conditioning unit for off-road construction equipment.

Ideal for cranes or telehandlers working on sites that restrict or prohibit heaters running on propane or diesel, the 9067 can be installed as a split unit system or a self-contained unit. With no hydraulic oil reservoir or filters, it requires minimal maintenance and there is also little to no thermal impact on the machine's oil reservoir, as the hydraulic power is only used to heat the cab.

With an idle output up to 27,000 Btu/hour the system provides temperatures up to 96 degrees Celsius, and works just as well with cooler-running EPA Tier 4 engines, as it does not rely on engine heat.

Kenway's chief engineer, Rey Carlson, said: "All other crane HVAC systems suffer from thermodynamic inefficiencies. The compressor might be hidden deep in the engine compartment, while the evaporator and heater core are in the cab. The distance requires multiple hoses and connections. The result is pressure/flow losses and temperature changes."



The compact unit is suitable for most cabs.

# Biodegradable lubricants

UK industrial lubricants manufacturer Metalube has launched Rope-Tek WRD, a new range of eight biodegradable lubricants specifically designed to protect steel wire rope.

The WRD 5, 10, 15, 20, 25, 30, 35 and 40 products are produced from base oils and thickeners to provide protection against corrosion induced failure. An additive system forms a low friction barrier between the metal surfaces, minimising frictional contact and wear from movements such as ropes bending and flexing over sheaves. The lubricants are also highly resistant to water, helping prevent them from being wiped from the rope.



Metalube has launched a range of biodegradable lubricants for wire ropes.

# Scaffold safety light

WHI Safeguard has launched a new LED scaffolding and barrier safety light. The battery-powered light can be fitted quickly and securely to existing scaffolding and other surfaces using side/vertical mounting brackets.

The safety light automatically activates when natural lighting falls below a certain level and its LED bulb provides more than 4,000 hours of use before the batteries need replacing. The light is also protected against dust, water and other substances found on a construction site.



WHI Safeguard's new scaffold and barrier safety light



The Tycan chains provide excellent outdoor performance and endurance even in very harsh operating conditions

# Fibre link chains

Synthetic rope component supplier DSM Dyneema and Load Solutions have formed a strategic partnership to develop link chains made from ultrahigh molecular weight polyethylene fibre.

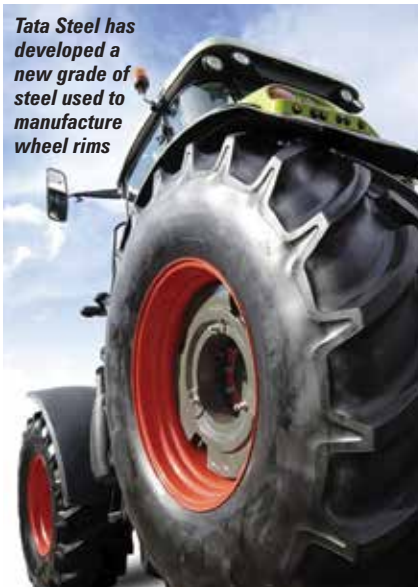
The Tycan chains are made with Dyneema DM20 fibre and offer a range of economic, environmental and safety advantages over traditional steel/iron chains. Up to eight times lighter than regular steel link chains with the same strength, the fibre chains are easier to handle and faster to put into position. Resistant to chemicals the chains can secure cargo without causing damage and are able to withstand shock loads without stretching. They are also more flexible for holding heavy loads than ropes, and it is very easy to shorten link chains to the required length.

Kjell Veka, managing director at Load Solutions, said: "The heavy steel chains that the cargo lashing market has relied on until now are difficult and noisy to use, they can rust, and they are tough on cargo, equipment and lashing crews."

# A new grade of steel

Indian steel manufacturing conglomerate Tata Steel has developed a new steel grade for manufacturers producing wheel rims for off-road vehicles such as cranes, telehandlers and tractors.

Typically, the wheel rim manufacturing process includes a number of steps, including forming, flash-butt welding and, often cold, ring rolling which imparts high stresses on the steel during production. The failure of welds and splitting, typically on the fusion line, during the post-weld forming process, results in an increased need for manual inspection and either significant reworking to remove the defect or scrapping of the wheel. Produced at Tata Steel's Port Talbot plant in South Wales, it can be supplied in either coil form or processed plate.



Tata Steel has developed a new grade of steel used to manufacture wheel rims

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