EFFECTIVE IN MOST HYDROCARBON-BASED LUBRICANTS

Cortec says its newest lubricant additive offers advanced corrosion protection and compatibility for ashless oil systems.

Cortec M-535 additive is suited for gearboxes, turbines, and other lubricant systems at risk for corrosion from trapped water or moisture condensation. Corrosion can mean downtime and ultimate failure on these critical components, and M-535 is designed to counter these setbacks with two important features for corrosion protection in ashless systems, the company said.

The first important characteristic of M-535 is its vapour-phase action. Traditional corrosion inhibitor additives can only protect the metal surfaces in direct contact with the oil to which the inhibitor has been added, Cortec said.

This leaves a large percentage of the system unprotected as, for example, gearboxes are often only half-filled. M-535 adds an extra dimension of protection in the form of vapor phase corrosion inhibitors.

These molecules vaporise out of the treated oil, diffusing throughout the headspace to form a protective molecular corrosion inhibiting layer on metal surfaces above the fluid level, according to the company This makes corrosion protection economical, efficient, and thorough, even at a low dose or with minimal oil in the system.

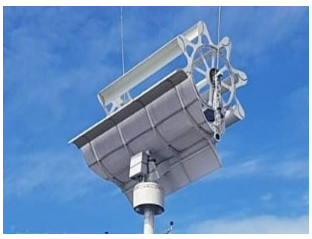
M-535 was designed specifically with the needs of ashless oils in mind and a heightened understanding of ashless performance requirements, the company said. It has successfully been formulated for use in turbines, as well as many general lubrication systems. **www.cortecvci.com**

CROSSFLOW ENERGY LAUNCHES REVOLUTIONARY SMALL WIND TURBINE

Crossflow Energy, the renewable energy technology specialist, has launched the Crossflow Wind Turbine. Reliable and easy to install, the unique turbine specifically addresses the issues that have historically inhibited the adoption of small-scale wind.

The development means wind power is at last a viable option for embedded renewable generation. Wind power could now be available in everyday situations such as homes, factories, motorway gantries, public buildings, as part of road and rail infrastructure and in challenging environments such as remote, ecologically sensitive locations.

The Crossflow turbine is a scalable Transverse Axis Wind Turbine. The small, efficient and reliable turbine incorporates a patented shield designed in collaboration with Swansea University through extensive Computational Fluid Dynamics simulations. This increases airflow, delivering optimum lift and drag performance across a wide range of wind speeds. In addition, its advanced light-weight blade has optimised aerodynamics to harvest maximum wind energy and ensure it's self-starting at low wind speeds. Crossflow's turbine's low rotational speed, creates minimal noise and ultra-low vibrations, extending its operational uptime and minimum maintenance. The turbine design is said to be bird and bat-friendly. **www.crossflowenergy.co.uk**



ITALY'S MOST RECENTLY-ESTABLISHED GENSET COMPANY EXPANDS BOTH NATIONAL & INTERNATIONAL DISTRIBUTION

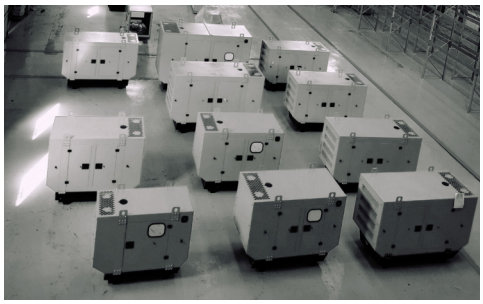
WIBA recently expanded its network into three key areas: the Sicilian market with representation and stock on the ground to serve the market faster and effectively; the East African market - with sales and support offices in Addis Ababa, Ethiopia, ready to serve and support the Eastern African customers and territory; and the West African market with genset stock and a sales team based in Bamako, Mali.

WIBA has also prepared a fleet of generating sets for its Italian facilities ready to be shipped to clients. This fleet covers a kVA range from 20 kVA up to 250 kVA and each set has been soundproofed and supplied with an advanced AMF control panel.

Having facilities within 2km distance from the port of Naples means that these generating sets can be shipped out on the same day they are ordered. If road delivery is required WIBA can deliver the generating sets to the customer's doorstep within 24-hours from the order - or even less time for the Italian market - reports the company.

WIBA GENERATORS features both a standard Industrial division and also a customised division. Its standard Industrial division covers a considerable range - from 3 to 4000 kVA - and its engineering team assembles an impressive spectrum of generating sets with various prime engines and alternators in order satisfy customer needs.

WIBA's unique selling point is very simple, says CEO Carlo Ucciero: "We are more interested in creating long-term relationships with our partners rather than just cashing in on generating sets. What does this mean? It means that WIBA partners become a part of the WIBA family - and WIBA partners get the constant support they need to succeed in their markets. WIBA and its partner can serve the local market together, hence this means we share the good , but also the bad, and it means once WIBA enters a specific market, it is for the long-term."



For direct contact to discuss a distributor or partner relations ship in your country please send an email to **info@wiba.it**

INTRODUCING THE WORLD'S FIRST 36 KV DOUBLE BUS BAR AIRPLUS™ SWITCHGEAR

UK Power Networks, which provides power to 8.3 million homes and businesses, has commissioned ABB to supply the world's first 36 kV medium-voltage double busbar AirPlus Gas Insulated Switchgear (GIS). It features AirPlus gas, which acts as an insulator between the electrical contacts with almost zero global warming impact.

As part of its Environmental Action Plan to pass on a sustainable planet for future generations, the UK's biggest electricity distributor, UK Power Networks has announced plans to use AirPlus, ABB's innovative sustainable alternative to SF6 switchgear, at its substation in Kent.

As Europe moves towards tighter regulation on the traditional gas (SF6,) used in switchgear, ABB's AirPlus provides a compelling eco alternative. Unlike SF6, which is a potent greenhouse gas with a global warming potential 23,500 times greater than that of carbon dioxide (CO2)), ABB's AirPlus gas has almost zero global warming impact. It is designed to drive high reliability and fulfill upcoming environmental regulations. **new.abb.com**