



Portable Lubrication System is Designed for Mobility in Large Plants



This mobile system for storing and dispensing lubricants, cutting oils, bearing oils, hydraulic fluids, transmission fluids, and engine oils is delivered on a pallet that can be placed in the bed of a heavy-duty pickup truck and transported to multiple locations spread over a large area. It includes two 50-gal and two 25-gal steel containers with PVC sight gages, filters to remove any dirt or small particulates, and air-operated piston pumps with a 5:1 pumping ratio. A ball valve manifold attached to the compressor in the center of the system allows users to turn on one, two, or all four of the pumps at any time. The onboard gas-operated air compressor makes startup quick and easy. The dispensing end has retractable hose reels with metered dispensing control handles that show how much fluid has been dispensed. Under the reels, a large steel toolbox provides convenient storage for tools, greases, rags, etc.

The IFH Group, Inc.

www.ifhgroup.com

Synthetic Food-Grade Oils Extend Compressor Service Life

Omnilube food-grade (H1) compressor lubricants are said to provide better lubricity and protection against wear, and be less susceptible to oxidation, than other H1 food-grade synthetic lubricants. Omnilube 32/46, 68, and 455 are formulated from high-quality polyalphaolefin (PAO) base oils and a proprietary additive package to achieve long life. The three oils are designed

for rotary-screw compressors and, depending on the screw design, can have a service life of up to 8,000 h. Omnilube 455 can be used in reciprocating compressors. Other advantages of the oils include lower varnish formation, low pour point and high flashpoint, and excellent compatibility with elastomers, plastics, and paints. Field tests have shown the lubricants to outlast other synthetic H1 lubricants by 50–100%. Omnilube food-grade products meet the requirements of U.S. Dept. of Agriculture and Food and Drug Administration regulations (21 CFR 178.3570), conform to the requirements of NSF International, and are approved by the Orthodox Union for Kosher use.

Ultrachem, Inc.

www.ultracheminc.com

Wear Plates Protect Equipment from Abrasive Materials



These high-hardness wear plates protect inlets, curves, discharge sections, and other areas of equipment from premature wear due to high-impact contact with abrasive materials traveling at high velocities. They are suitable for processes that handle glass-filled plastic resins, ceramic particles, mineral aggregates, abrasive grains, and other powdered, granular, or viscous materials. Plates made of stainless steel, Stellite alloys, or polytetrafluoroethylene (Teflon) are available to help extend the service life of the fabricated metal equipment while accommodating a wide range of abrasive materials.

They are available on the firm's entire line of vibrating fluid-bed dryers and coolers, screeners, plastic-pellet classifiers, vibratory conveyors, and other process equipment, and although they are custom-designed for each machine, they may also be designed for retrofit on existing machinery. The plates can be removed and replaced without significant process downtime.

Witte Company, Inc.

www.witte.com

Kit Protects Motor Bearings from Fluting Failure



The split-ring AEGIS bearing protection ring protects AC motor bearings from electrical damage by safely grounding shaft currents induced by variable-frequency drives (VFDs). The unit has a 360-deg. circumferential inner ring of conductive microfibers permanently secured in place by the firm's patented FiberLock channel, which prevents the microfiber brushes from breaking, loosening, or falling out. The kit includes engineered silver-filled conductive epoxy for mounting the ring. After removing the paint from the area of the motor end bell where the ring is to be installed, the installer mixes the epoxy resin and activator and applies the adhesive to the back of the ring. Next, the ring is positioned and centered around the motor shaft, and held in place to allow the adhesive to set. The entire procedure, including cleaning the end bell, takes about 10 minutes and can be performed without detaching the coupled equipment. Unlike conventional shaft-grounding brushes, the ring is maintenance-free

and lasts for the life of the motor. It experiences virtually no friction or wear, regardless of motor speed, and is unaffected by dirt, grease, or other contaminants.

Electro Static Technology
www.est-aegis.com

Coating Resists Red Rust Corrosion

The Black coating is an advanced blend of fluoropolymer, engineered plastics, and corrosion inhibitors that provides protection against rust and corrosion. Its properties include low friction, strong adhesion, and resistance to wear and abrasion, chipping, and elements such as weather, sunlight, and salt water. Laboratory and field tests show that the coating resists corrosion after more than 1,600 h of exposure,

making it at least 300% more resistant than advanced plating. It works in a wide range of temperatures, from -420°F to 500°F .

Brennan Industries Inc.
www.brennaninc.com

Asset Management Software Simplifies Plant Maintenance and Operations

Asset Manager R400 allows users to coordinate all aspects of plant maintenance and operations — people, processes, and technologies — using a single comprehensive solution that seamlessly integrates with the firm's other applications as well as leading third-party applications, such as IBM Maximo for enterprise-wide asset management. It enables users at all

levels of plant operations to collaborate effectively in order to determine how to address abnormal equipment conditions and plan maintenance while assuring production dependability. Asset Manager R400 is the latest addition to the firm's suite of reliability and asset management offerings, which includes: Field Device Manager for the remote management of smart field instruments; Field Advisor, which gathers and analyzes performance data on field equipment; Downtime Reporter, which helps to identify, target, and eliminate the root causes of production delays and plant downtime; a comprehensive range of consulting services; and more.

Honeywell International
www.honeywell.com

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