

Problem Solvers

Written by LMT Staff
Wednesday, 02 June 2010 12:13



Control Troublesome Oil Mist And Fumes

JLM Systems' Oilmiser™ Vapor Guard (OVG) is designed for machinery like gearboxes and bearing housings that are vented to atmosphere. Under continuous operation and high working loads, oil mist and fumes build up in the air space above the oil. Temperature changes and thermal expansion cause these fumes to exhaust into the workplace and also bring in outside air through the same vent. The OVG helps prevent the serious housekeeping and mechanical problems associated with this situation by way of a central diffuser post inside a sealed aluminum containment chamber. Migrating vapors are dispersed inside the chamber and condensed back into liquid oil that collects at the bottom of the unit. From here, recovered and uncontaminated lube oil is channeled through bleed-back holes into the gearbox, where it continues to lubricate.

JLM Systems Ltd.
Richmond, BC

For more info, enter 42 at www.LMTfreeinfo.com

Lab-And-Field Wear-Metal Analysis

Spectro's new Spectroil Q100 Oil Analysis Spectrometer detects and quantifies metals in used (in-service) oils and hydraulic fluids. Capable of helping predict mechanical failures in their early stages, the device is designed to work well in both lab and field. The standard configuration can analyze 22 wear metals, contaminants and additives in 30 seconds. Additional elements can be added at any time.

Spectro Inc.
A business unit of QinetiQ North America
McLean, VA

For more info, enter 43 at www.LMTfreeinfo.com
Eco-Friendly Absorbent Pads, Rolls & Socks

According to Kafko International, its new eco-friendly Oil Eater Naturals offerings absorb up to 20% more than melt-blown polypropylene products, yet cost less.

The line's Oil Only Pads and Rolls soak up oil and repel water; Universal Pads and Rolls soak up oil, water and other liquids; the Absorbent Socks control larger spills and protect drains. All are available in a variety of weights, finishes and sizes.

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Kafko International Ltd. Skokie, IL

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High-Performing Metal-Cutting Oil

LENOX's Cycle HD Water Soluble Oil is suitable for a variety of metal-cutting applications. The company says that the product's advanced extreme pressure (EP), non-harmful additive package leads to outstanding performance in moderate to heavy-duty machining of ferrous and non-ferrous metals. Superior resistance to bacteria leads to both extended sump life and odor control. The fluid is also prepared with smaller oil droplets that prevent separation of the oil from water, leading to a more stable emulsion.

LENOX
East Longmeadow, MA

For more info, enter 45 at www.LMTfreeinfo.com



An Alternative To Standard Oil Sight Windows

According to Esco Products, the standard sight windows on oil reservoirs make it difficult to view the oil level, stain easily and must be replaced often. To take care of those problems, the company now offers a replacement sight window plug called the 3-D BullsEye. It's a clear cylinder made from one solid piece of acrylic, with threading on one end and a rounded polished end for easier viewing of the oil on the other. NPT sizes of 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2" are available.

Esco Products, Inc.
Houston, TX

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Eliminate Lubrication Mistakes

Lubrication Engineers now offers battery-powered Clear Grease Guns™ that allow 100% visual identification of the lubricant, thus helping prevent cross-contamination. The high-impact, fracture-resistant polycarbonate tubes fit many standard grease guns, making upgrades of existing tools easy and cost-effective. Durable aircraft aluminum collars are available in a variety of colors for secondary identification.

Lubrication Engineers, Inc.
Fort Worth, TX

For more info, enter 47 at www.LMTfreeinfo.com



Electric Grease Lubricator

The new KPL-24 Grease Lubricator from Yamada America is a 24-volt electric unit that allows for efficient greasing of heavy-duty equipment without tapping into hydraulic or pneumatic lines. It fits directly onto a 5-gal. grease pail (a 16-gal. unit also is available); works with a hose reel and hand grease gun; and can be used alone or as part of a centralized system.

Yamada America
Arlington Heights, IL

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Gel For Tube-Bending Applications

Accu-Lube JL-12 from ITW Rocol North America is an opaque, ready-to-use gel formulated specifically for tube-bending applications. Pumped or applied by hand directly to the tube or bending mandrels, it leaves a clean coating that won't build up over time. Formulated to stay where it's applied, it eliminates the mess of conventional lubricants. No cleaning is required before welding, and the gel is easily cleaned before painting or plating.

ITW ROCOL North America
Glenview, IL

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Comfortable, U.S.-Made Unvalved Respirator

3 M is now offering a new 8510, N95 model Particulate Respirator that's been designed for comfort and increased wearability. It features a soft inner material and cup-shape design that make it both spacious and durable, along with braided straps and an adjustable M-noseclip. U.S. customers can now pick from 25 models of 3M's domestically made filtering products.

3M
St. Paul, MN

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Oil-Mist System For Multiple Converting Lines

Converting-equipment supplier Precision AirConvey (PAC) offers a central oil-mist system for label manufacturers, converters and others relying on oil mist to run pressure-sensitive adhesives or other high-tack materials smoothly through automated trim-removal systems. The PAC central oil-mist system replaces multiple lubricant containers at individual presses with a single reservoir set away from the production area. The labor required to constantly monitor and maintain the proper lubricant levels and flow rate at each press is eliminated, along with the risk of clogged ductwork and associated downtime.

Precision AirConvey
Newark, DE

For more info, enter 51 at www.LMTfreeinfo.com