

## Recyclable Conduit Covers

**C**onduit Covers manufactures polyethylene bags designed to offer universal protection for open conduit lines such as hoses, pipes, hard-lines, electrical connectors and other sensitive connectors while they are disconnected from the components they supply. They also can be used to cover conduit ends for storage, and, in addition to being recyclable, Conduit Covers should help prevent

ground pollution by trapping small amounts of the residual oil and grease that may seep from open lines.

The company, a three-year-old subsidiary of Moore Industries, was formed to commercialize and market Conduit Covers, said Kerry Moore, founder and CEO of both Moore Industries and Conduit Covers. It received the patent for its polyethylene bags after a development period of about 10 years, he explained. They are intended to be used as temporary alternatives to traditional interference fit plastic caps and plugs, which can slip unintentionally into open lines and hoses and block systems, in addition to other applications in the aviation aftermarket section, Moore said.

Avoiding contamination of the system being repaired, whether it is a pneumatic, hydraulic, electric or other mode of energy transferring system, is a mechanic's top priority, Moore explained. It is vital to have a sterile cover for each open hose or line. While a new bag must be used for each application, Conduit Covers can be recycled as No. 5 low-density plastic after they have been removed to reduce waste, said Moore. Another environmentally friendly feature of Conduit Covers is



Conduit Covers

their ability to trap the small amounts of residual oil or liquid that may remain in a hose or line after disassembly, which can help reduce ground contamination. This could come in handy for mechanics draining hydraulic systems on aircraft, Moore said, though he added that the bags are "only as good as the volume" of oil and should not be expected to outperform their capacity.

Designed to close with flexible, built-in tie straps, the bags should be durable and flexible to fit any size of opening, Moore added. Conduit Covers currently offers three product lines. A four-inch size is designed to cover openings up to 2.5 inches in diameter; an eight-inch size should cover 2.5-inch to five-inch openings; and a 12-inch size, which Moore said was scheduled to become available in late December, should handle openings ranging from five to 7.75 inches.

In addition to providing temporary covers for the ends of open hoses and lines, Moore said the conduit covers can be used as a short-term protection medium for electrical wiring harnesses and connectors. Some customers also have suggested using the bags to keep up with fasteners and other small components as they are removed from the

airframe or a component during service, he added. Once the bag is sealed with half of the tie strap, a mechanic could use the other half to fasten the bag of hardware to something local and keep the needed parts close at hand.

Conduit Covers arrive in 50-pack, slide-sealed bags that should eliminate the need for divider storage boxes. The storage bags also should be pliable for easy storage and lightweight for transportation to various work sites, Moore added.

Conduit Covers, 34351 Bella Vista Dr., Yucaipa, CA 92399

**Reader Service #500**

### Deicing Fluid

Dow Chemical's Performance Fluids division introduced its UCAR Endurance EG106 aircraft deicing/anti-icing fluid.

The new formulation is an ethylene glycol-based Type IV fluid designed to provide protection against the accumulation of ice, snow and frost. Ethylene glycol's properties make it an effective freezing point depressant; other ingredients include additives, such as surfactants, thickeners, pH buffers and corrosion inhibitors. It is designed to be applied undiluted for uniform wetting and spreading on aircraft surfaces and has shown little or no viscosity degradation when sprayed through typical commercial equipment in field spray tests, Dow Chemical said.

UCAR Endurance EG106 adheres to the technical requirements of SAE Aerospace Material Specification (AME) 1428E, as well as fluid use guidelines published by the FAA and Transport Canada. The Dow Chemical Co., Performance Fluids, Midland, MI 48674

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