



OAK INTERNATIONAL®

A Milacron Company

*Global Leaders in manufacturing products and solutions for
the AIR CONDITIONING industry.*

LUBRICANTS DESIGNED AND APPROVED FOR THE MANUFACTURE OF AC COILS

Oak International is a global leader in forming fluids designed specifically for the manufacture of fins and tubes used in the air conditioning industry. Oak International products are used by the worlds largest coil manufacturers in the USA, Europe and Asia. Since 1973 Oak International lubricants and cleaners have been developed and tested in the production environment, ensuring Oak International customers produce consistently high quality components with operator friendly products that maximise tool and die life.



FIN STAMPING FLUIDS - BENEFITS

- ◆ Excellent wetability on finished coils to improve evaporative performance that eliminates fogging on start up.
- ◆ Prevention of cracking on high collars formed with hard aluminum stock.
- ◆ Excellent die releasing characteristics to lower scrape rates.
- ◆ Require no post cleaning
- ◆ Will not stain aluminum, brass or copper alloys.
- ◆ Products available to form fins at collar heights up to 3 FPI.

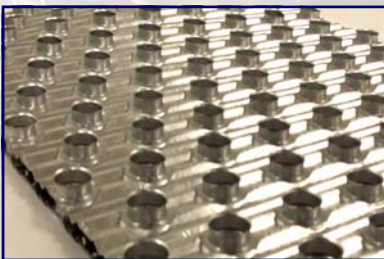
OAK® 50-5 (OAK DRAW® 503)

- ◆ Used in high speed fin presses for collar heights 10+ FPI.
- ◆ Residue compatible with R-134A and "new age" type Freon.
- ◆ Does not cloud leak test tanks.



OAK® 50-15

- ◆ Used in high speed fin presses for collar heights 6+ FPI.
- ◆ Utilises the latest anti wear lubricants and corrosion inhibitors.



TUBE BENDING & EXPANDING - BENEFITS

- ◆ Concentrated non evaporative lubricants for increased efficiency, fluid economy and part quality in manufacturing air conditioning tubes.
- ◆ Products do not contain solvent. This significantly reduces the quantity of evaporated material removed during system charging. The reduction in overall volume of fluid build up in vacuum pumps extends operating times and reduces maintenance.
- ◆ Residue is compatible with R-12, 22, 134A, 407C and 410 and requires no post forming operation wash.
- ◆ Up to 90% reduction in fluid consumption due to concentrated boundary lubricants.
- ◆ Increase in the effective coverage of lubricant provides a smooth and consistent bend radius.
- ◆ Higher viscosity non evaporative tube expanding lubricants fill internal riffling and grooving to significantly improve tool life and ensure the tube retains efficient coolant flow properties.

OAK DRAW® 1105

- ◆ Non evaporative tube bending and expanding lubricant.
- ◆ Highly economical to reduce inventory and drum handling.
- ◆ Requires no post operation washing.

COIL CLEANING - OAK KLEEN® 300 Series

- ◆ New generation synthetic cleaners for coils and return bends.
- ◆ Can replace dangerous "solvent based" washing systems.
- ◆ Water soluble economical solutions to coil cleaning where required.

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