

# RECYCLE USED MOTOR OIL



Americans use approximately a billion gallons of motor oil every year — and 350 million gallons of it end up polluting the environment because of improper disposal methods. Used motor oil is often contaminated with lead (from gasoline), magnesium, copper, zinc, PCB's and other heavy metals which are picked up from the engine. These heavy metals can contaminate our drinking water and cause health problems. So please, utilize one of the following local facilities for proper disposal of your used oil.

## LAWRENCE OIL COLLECTION FACILITIES

Residential Only

### City of Lawrence Central Maintenance Garage

1140 Haskell Avenue, 832-3020

8:30 a.m. to 4:30 p.m. Monday-Friday

### Advance Auto Parts

2535 S Iowa Street, 749-2941

1501 W 6th Street, 841-5559

### Jiffy Lube

914 W. 23rd Street, 749-1599

2415 N Iowa Street, 838-3130

### O'Reilly Auto Parts

1008 W 23rd Street, 842-9800

906 N 2nd Street, 832-0408

### Wal\*Mart Auto Center

3300 Iowa Street, 832-8655

## WHY RECYCLE?

Throwing oil in the trash—even in an airtight container—is just like pouring it on the ground. The oil will seep out and leach into ground water when containers are crushed.

A quart of motor oil can pollute 250, 000 gallons of water.

Just one part oil per million parts water will make drinking water smell and taste funny.

We make our own oil spills: Over half of all oil-related pollution in the U.S. is caused by improper disposal of used motor oil.

## RECYCLE CLEAN!

Use a clean, dirt-free drain pan that can hold as many quarts as your car's crank case.

Don't mix solvents, water, or any other liquid waste in with it.

Store it in a container that won't leak and has a screw-on cap—a plastic gallon milk container, for example.

Bring your container to one of the Lawrence oil collection facilities listed above.

## SIMPLE THINGS TO DO

- If you get your oil changed at a gas station check first to make sure they plan to recycle it. If not, take your car somewhere where they do recycle motor oil.
- If you change your own oil (and about 50% of American drivers do), recycle it at one of the drop-off collection facilities in Lawrence.



# CLOSING THE LOOP WITH RE-REFINED OIL

## STANDARDS, QUALITY AND PERFORMANCE

Modern re-refined oil products are equivalent in quality and performance to products formulated using virgin oil.

The recycling of used oil has evolved from simply removing water, insolubles, and dirt, to more complicated removal of heavy metals, nitrogen, chlorine, and oxygenated components. Today, there are no technical impediments to producing re-refined oil products. In fact re-refined oil products are subject to the same stringent refining, compounding, and performance standards that apply to virgin oil products.

The American Petroleum Institute (API) and American Automobile Manufacturers Association (AAMA) together have developed the Engine Oil Licensing Certification System to ensure that all engine oils are consistently meeting specifications.

Under this program, engine oils must be licensed indicating that they meet the current API designations to guarantee good performance, and a valid warranty. With the exception of bulk oils, API licensed oils display a donut symbol on the label. Particular viscosities also show the starburst symbol with the API designation in the center.

## RESOURCES:

Association of Petroleum Re-Refiners, P.O. Box 427, Buffalo, NY 14205

Pac-Lube Oil Changer Pacific Landings LTd. 1208 S.W. 13th, Suite 200 Portland, OR 97205

“Recycling Used Oil.” EPA, Office of Solid Waste, 401 St. S.W., Washington, D.C. 20460

Safety-Kleen Oil Recovery Co. 601 Riley Road, East Chicago, Indiana 46312-1638

Scott Oil Change Recycling, Tub Scott Plaza, Philadelphia, PA 19113

U.S. Conference of Mayors “Buy Recycled” Campaign 1620 Eye Street, N.W. Washington, D.C. 20006

## ENVIRONMENTAL ADVANTAGES

Currently, 85% of used oil recovered in the United States is burned for energy recovery. Once burned, however, used oil is destroyed and can not be used again.

Rather than using the oil once, re-refining extends the life of a non-renewable resource by converting it into a usable material that can be recovered and used again. Most of the used oil can be re-refined over and over with no compromise in the quality of the lubricant.

Re-refining is an energy efficient and environmentally beneficial method of managing used oil. Less energy is required to produce a gallon of re-refined base stock than a base stock from crude oil. Once water and contaminants are removed from the collected oil, 100% of every gallon is returned to a full and useful life as a re-refined base oil, asphalt extender, or a supplementary fuel.

## ECONOMIC ADVANTAGES

Of the 1.3 billion gallons of used oil generated each year in the U.S., some 150 million gallons are recovered and sold as re-refined oil or as blended oils not advertised as re-refined.

If all Americans recycled used oil and then purchased re-refined oil, it would keep 35 million car engines running smoothly for a year and reduce our growing dependence on foreign oil.