

## BOTH EXTEND OIL LIFE

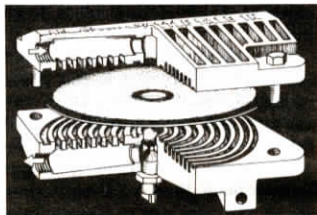
# New-Style Oil Filters For Cars, Tractors

Two recently-introduced new oil filters do a better job cleaning engine oils than manufacturer-supplied filters to both extend oil life and better protect engines, according to developers.

## Oberg "Tattle Tale" Filter

The Oberg Tattle Tale filter consists of a stainless steel screen that mounts in a protective metal housing anywhere in the engine compartment. It can be used to screen engine oil, transmission fluid, or hydraulic oil on tractors, pickups or cars.

Unlike most conventional paper filters, the Oberg filter filters 100% of the oil all the time. Already widely used by race car drivers, the filter is ideal for farmers, truckers, and others



**Cutaway of Oberg filter reveals donut-shaped metal screen which traps more dirt than paper filters.**

who put equipment to hard use, according to RH Machine in Caldwell, Idaho, distributor.

An adaptor simply replaces the filter on your existing engine. Two hoses run from the adaptor to the filter. Oil enters one side of the filter and must pass through a donut-shaped screen to the outlet port on the other side. A set of channels in the filter cause the oil to be evenly distributed over the entire surface of the filter element.

To "change" the filter, you simply unfasten 4 bolts and rinse the filter element with a solvent. Should the filter element ever clog in operation, oil is diverted and full flow of oil is not restricted. A warning light lets the operator know when the filter needs changing. It takes only a couple minutes to clean the filter. There are no replacement parts to buy.

"It screens to 3 microns, which is much smaller than any paper filter you can buy. It greatly extends oil life and provides continuous protection for your engine by filtering 100% of the oil, unlike paper filters which only filter a portion of the oil at a time. Another advantage of the filter is that you can see what type of material is in the oil by visual inspection every time you clean the filter. Lets you keep tabs on the condition of your engine," says Kent

Cronk, company representative.

The regular-sized filter, for cars, trucks and small tractors, sells for \$99.95. A large model for big 4-WD tractors will soon be on the market.

For more information, contact: FARM SHOW Followup, RH Machine, P.O. Box 1348, Caldwell, Idaho 83605 (ph toll-free 800 321-6568 or 208 459-1508).

## "System II" Add-On Filter

"Lets you change oil just once a year," says Dick Neff, representative of Econ Systems, Ltd., San Antonio, Tex., manufacturer of the System II add-on oil filter.

## SWITCHES NON-STOP FROM ROAD TO FIELD POSITION

# New Two-Drill Hitch Requires No Hydraulics

"There's absolutely no overlap, no hydraulics and it pulls straight in all types of soils," says Bergkamp Inc. of its new "Double Time" two-drill hitch.

By pulling a rope, the tractor operator switches non-stop from road to field position, or vice versa. In road position, width of the hitch is no wider than the drill, permitting travel down any narrow country road, without overhang, the manufacturer points out. The hitch's zero turning radius allows you to plant back and forth.

## NO VIBRATORS OR SHAKERS

# New Self-Cleaning Gravity Grain Cleaner

First on the market with a gravity flow grain cleaner with self-cleaning screens is Eldon Kluthe, of Cairo, Neb.

The electrically-operated screens clean themselves either manually, by pushing a button, or automatically at preset intervals.

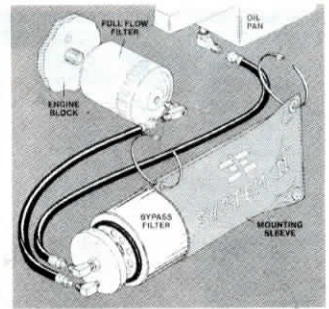
To clean, the top screen moves left about 1/2 in. and the bottom screen moves right the same distance, creating a scissor-like action which

"Oil filters on many engines are too small to do an adequate job and they only filter a portion of the oil. This filter gets everything down to 5 microns and absorbs gums, lacquers and trace moisture so thoroughly it can extend engine oil life to 25,000 miles on a car or truck," says Neff, noting that the filter can also be used on any car or farm equipment engine.

The system consists of a full-flow filter that mounts in place of the conventional filter and an oversize bypass filter. To install, you simply replace the drain plug on the oil pan with a return oil fitting and replace the current filter with the spin-on full flow filter. Then, connect the hoses from the drain plug fitting to the bypass filter and then to the new full-flow filter. The by-pass filter hangs from a nylon sleeve anywhere in the engine compartment.

In operation, the full flow filter filters the constant flow of oil while a small amount of oil is constantly routed to the by-pass filter which more thoroughly filters the oil before returning it to the oil pan.

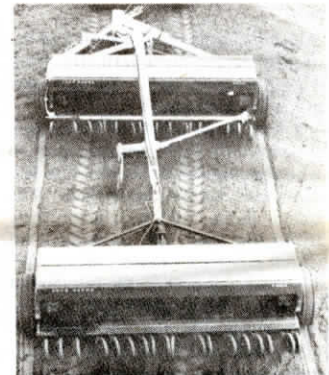
"It doesn't affect oil pressure. You just add a little more oil to the engine.



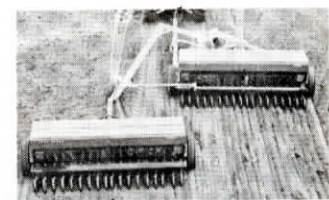
**Bypass filter provides secondary cleaning for high-use engines.**

Research indicates that continuous use of the filtering system over the life of an engine can reduce wear up to 40% compared to conventional filtering systems," says Neff.

For more information, contact: FARM SHOW Followup, Econ Systems, Ltd., 10843 Vandale, San Antonio, Tex. 78216 (ph toll-free 800 344-5965 or 512 349-6693).



**A pull of a rope triggers the switch from road position, top photo, to field position, below.**



**Electric screens "scissor" back and forth to self-clean.**