

Magnet Traps Metal Inside Oil Filter

You can capture even the tiniest particles in any engine or hydraulic system with this new oil filter magnet.

The Magna-Guard Oil Filter magnet is designed to be inserted through the center hole of any spin-on filter with a metal core. The magnets are disposable so for best results use fresh magnets at every oil change. It attracts up to 40 times more grit than the filter alone, without restricting oil flow, says the company and independent test reports.

"The magnets catch particles that are too small for an oil filter to trap, generally particles less than 30 microns," says James Friend of Kleen Lube, Blue Springs, Mo. "By removing tiny particles there is less friction between the moving parts of your engine. The engine therefore runs cooler, cleaner, and more efficiently. It results in five percent or more increase in fuel mileage and eight to fourteen times less engine wear. Cleaner oil results in longer oil drain intervals, testing shows oil can be used up to twice as long.

He says Magna-Guard has been on the market since 1999 but has primarily been used in the heavy equipment and truck industry. "With prices for fuel and lubricants on the rise, we feel it's a good time to introduce the product to farmers," he told FARM SHOW.

According to Friend, Magna-Guard works better than wrap-around oil filter



Magnet catches particles too small for an oil filter to stop. It's designed to be dropped into the center hole of any spin-on oil filter with a metal core.

magnets "which are only up to 70 percent efficient because they're on the outside of the oil flow. Our magnets go inside the filter and are in direct contact with the fluid, so they're able to remove many times more contaminants." They work somewhat like cow magnets in livestock feed that are designed to pick up metal parts in the cow's stomach. Some farmers have tried using such magnets in their vehicles but with bad results because those magnets can either dissolve or lose their magnetic abilities under high temperatures. Magna-Guard magnets are 100 percent ceramic so they'll survive temperatures up to 842 degrees and the caustic environment of an engine."

The number of magnets needed depends on the capacity of the filter. The company

recommends using one standard size magnet per 16 oz. of filter fluid capacity. Most auto filters are less than one quart, so you just need one magnet. Quart-sized filters found on some pickups require two magnets. Tractor trailer rigs with 1-gal. primary filters should use eight standard size magnets.

Magna-Guard is available in two standard sizes to keep the applications simple and the costs low. The standard size magnets are about 1/4 by 3/8 by 1-1/2 in. and the mini size are 3/16 by 3/8 by 3/4 in. The mini size is for small equipment, motorcycles, and some automotive filters which are too short for the standard size Magna-Guard magnet. Two "minis" are the equivalent of one standard magnet. Use the minis by the pair.

Magna-Guard magnets can be purchased at www.kleenlube.com for as little as \$2.22 each in the Farmer's Friend package.

The Kleen Lube website also has the exciting patented Fluid Rx diagnostic tools including Ford approved ATF test which helps you control maintenance costs and improve environmental impacts by reducing un-necessary fluids changes.

Contact: FARM SHOW Followup, Kleen Lube, 1200 Corporate Centre, Blue Springs, Mo. 64015 (ph 877 405-5336; sales@kleenlube.com; or www.kleenlube.com).

Reader Inquiry No. 152

Spin Screed® The World's Lightest Power Roller Screed

After struggling with heavy, noisy and hard-to-clean vibrating screeds for over 30 years, concrete contractor, Joe Churchill developed the Spin Screed.

The 22-ft. roller screed is powered by electricity and can be carried and loaded on a truck by one person.

The Spin Screed consists of an aluminum pipe up to 22-ft. long that is caused to spin opposite of the direction it is being advanced by a heavy-duty right-angle drill, causing the concrete to roll up in front of the screed while leveling the high and low spots. Unlike a gas powered screed, the electric screed starts working in less than one second after you press the trigger. The aluminum pipe can be custom cut into lengths up to 22 ft. The operator is spared back pain, standing erect while using the Spin Screed.

Consistency of the concrete mix is not a factor. The Spin Screed can be used on stiff, low slump concrete of only 3 in. or on a wet mix. Unlike a vibrating screed that causes the aggregate to sink far below the surface, the Spin Screed leaves aggregate

immediately below the surface, resulting in a high quality, durable finish that is less likely to scale off when exposed to freeze and thaw conditions.

For pouring concrete slabs wider than 20 ft., simply set screed pipes on stakes to make multiple parallel passes with the Spin Screed. Because the machine is so light, the stakes do not have to be capable of supporting much weight and can be placed 5 ft. or more apart.

The Spin Screed has been field tested for over eight years and is built of the finest quality components.

The Spin Screed continues to grow in popularity among both large and small contractors. See our Photo Gallery on the Spin Screed website to view job photos of the Spin Screed at work.



Spin Screed engineers have developed a "Gutter Builder" screed that can be used to build drive over curb and gutters and valley pans in a single pass.

Reasonably priced, the Spin Screed produces a durable surface in less time and with less effort. For details, visit the Spin Screed website at www.spinscreed.com or call 888-329-6039 (Toll Free).

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