

**More soot
in your
lube oil?**

**Here's your
solution**



A Genuine Soot Solution

High soot loads in today's low-emissions engines leave you with tough choices. You can keep drain intervals where they are and risk premature engine wear, higher repair costs — perhaps even catastrophic failures. Or you can change oil more frequently and absorb the increased costs of oil, filters, labor and downtime. Either way, you lose.

The good news? There's another option: a Spinner II oil cleaning centrifuge — a powerful, high-efficiency bypass oil cleaner. It's proven soot-removal technology, with the capacity and efficiency for today's engines.

A Spinner II centrifuge is permanent, inexpensive, and built to last the life of your engine. It's so effective, you can maintain or extend drain intervals while reducing engine wear up to 50%*. That's why Spinner II centrifuges have been installed as original equipment by over 50 engine manufacturers and used on more than a million trucks in the last three decades.

Why Spinner II Stops Soot

A Spinner II oil cleaning centrifuge is the only proven way to remove soot from your oil. Here's why it succeeds where paper and synthetic media filters (even "heavy duty" versions) can't.

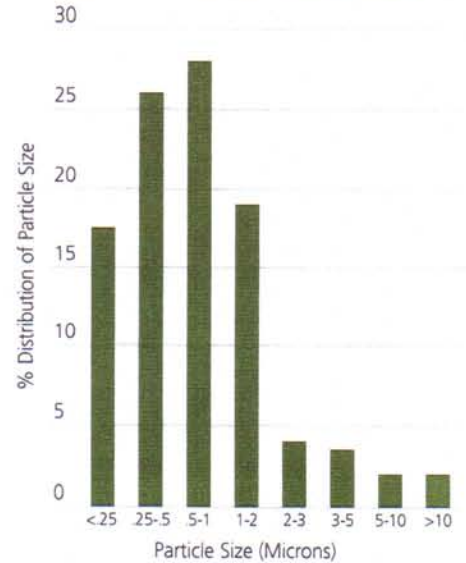
Fine particle removal. Up to 98% of the solids in lube oil are ten microns or less. That's too small for typical full-flow filters (rated at 20-25 microns) to handle. But a Spinner II centrifuge removes soot and other solids as small as one-tenth of a micron.

Storage Capacity. The Spinner II Model 996 centrifuge holds up to 900 cubic centimeters of solid contaminants. No filter comes close to giving you this much capacity for extended service intervals.

Consistent Efficiency. Media filters are simply barriers. They're effective when first installed, but oil flow and filtration efficiency plummet as they

begin to plug. A Spinner II centrifuge doesn't block particles — it removes them from the oil stream. So you get the same, ultra-high efficiency throughout your service interval.

CONTAMINANT REMOVED



Analysis of centrifuged solids shows an average 98% of particles are ten microns or less.

* Call for independent lab test reports.



Effective soot control demands high throughput.
Model 996 centrifuges process up to 450 liters of oil per hour.

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Efficient, high-volume
lube oil filtration

Extends oil and filter life

Reduces engine wear
up to 50%

Benefits For You

REDUCES COSTS

- Extends oil life
- Lengthens service intervals
- Preserves additive potency
- Prolongs full-flow filter life
- Reduces maintenance costs
- Cuts waste disposal costs
- Maximizes in-service time for trucks
- Helps ensure clean combustion and fuel efficiency
- Long-term preventive maintenance

PROTECTS YOUR ENGINES

- Maintains cleaner oil
- Reduces engine wear up to 50%
- Increases engine life

EASY TO MAINTAIN

- Simple, convenient installation
- Fast and easy to service
- No replacement elements
- Contaminant access for engine troubleshooting

BETTER FOR THE ENVIRONMENT

- Reduces oil and filter waste
- Promotes clean combustion and lower emissions

FIELD-PROVEN

- More than a million units in operation in fleets of all sizes
- Standard equipment for more than 50 engine manufacturers worldwide
- Over 30 years of continuous improvement

HOW IT WORKS

A Spinner II centrifuge is self-powered, using engine oil pressure to generate speeds over 6,000 rpm. It diverts a sidestream of oil (approximately 7.5 liters per minute by volume) for processing and returns clean oil to the crankcase.

Separation Chamber

Oil enters the separation chamber under engine pressure, flowing up through a hollow spindle. It passes through a rotating bowl where centrifugal force 2,000 times greater than gravity separates contaminants from the oil. Contaminants accumulate on the bowl surface as a solid cake, while clean oil flows out of the bowl to the turbine.

Turbine

Clean oil exits from opposing, twin nozzles, powering the centrifuge to speeds over 6,000 rpm.

Level Control Base

Oil returns to the crankcase from the Level Control Base, which maintains proper oil flow for speed and efficiency. This unique control system allows the Spinner II unit to be mounted in any convenient location.





What full-flow filters miss.
Actual contaminants captured by a Spinner II centrifuge. To service, simply empty the contents and reassemble.

Long Running, Easy to Maintain

Maintenance intervals for Spinner II centrifuges vary by individual operating conditions. However, the large capacity of the unit allows you to keep it in service much longer than an ordinary oil filter.

Cleaning your centrifuge is fast and easy. Simply remove the cover, lift out the reusable bowl and remove the dry, compacted contaminants. There are no expensive filter elements to replace, and nothing to drain, crush or haul away. Many Spinner II users examine the solid contaminants to diagnose engine conditions.



Model 996
450 L/hr (120 gal/hr)

OEM, Fleet & Owner/Operator Approved

Over a million trucks — in all kinds of applications — run longer, more efficiently and more economically using oil cleaning centrifuges. Spinner II centrifuges have been installed as original equipment by every major truck builder and more than 50 OEM's worldwide over the last three decades.

You can specify Spinner II centrifuges on your next truck build or easily retrofit them to your existing trucks. They're available through most new truck dealers, as well as a national distributor network. They're backed by responsive engineering and technical support — plus a comprehensive million-mile warranty.

See how easy and inexpensive it is to get a genuine Soot Solution. Contact your local Spinner II representative.

SPINNER II[®] PRODUCTS

www.SpinnerII.com



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