



# Halex Coil

advanced magnetic filtration system



US patent #5,647,993

# Facts

- The US government reports that costs due to wear exceed 1% of the GNP.
- The US military reports that costs due to contamination exceed 60% of fuel costs in certain vehicles.
- NASA reports that a single 10 micron particle can shut-down a flight control system.
- SAE Paper #952555: “Results show that a strong correlation exists between engine wear and the filtration efficiency of solid contamination in the engine lube. It is clearly demonstrated that higher efficiency filtration results in cleaner lube oil and thus less wear.”

# Facts

- Oil does not break-down, it only gets dirty. This can damage internal engine/machine components.
- Standard oil filters will protect engines from damaging ferrous particles ranging from 25-40 microns.
- Removal of ferrous material from an engine's lubrication system will reduce wear and extend lubrication and filter component life.
- Reduced engine/machine wear and extended lubrication life correlate to real economic savings.

# The Halex Coil

- Designed for heavy, long-term use
  - Neodymium magnets
  - Hardened steel
- Over ten years of testing and analysis
  - Aerospace
  - Heavy equipment
  - Industry
  - Mobile
- Market leader
  - Sole patented magnetic filtration coil in the world
  - Recommended by description by the EPA

# Features and benefits

Your filter *is* doing what it's designed for: to reach a “satisfactory” level of cleanliness without restricting flow-rates. The Halex Coil works with your filter and takes it to a higher level than it's physically able on its own. Made with rare-earth neodymium iron boron magnets, the Halex Coil is the strongest solution for removing ferrous contaminants beyond what your existing oil, hydraulic or fuel filter can by creating a magnetic field within the core and walls of your spin-on canister. It's also reusable; just put it on as the last step of each fluid change.

It's not a new filter. It's your filter's “perfect partner.”

# Features and benefits

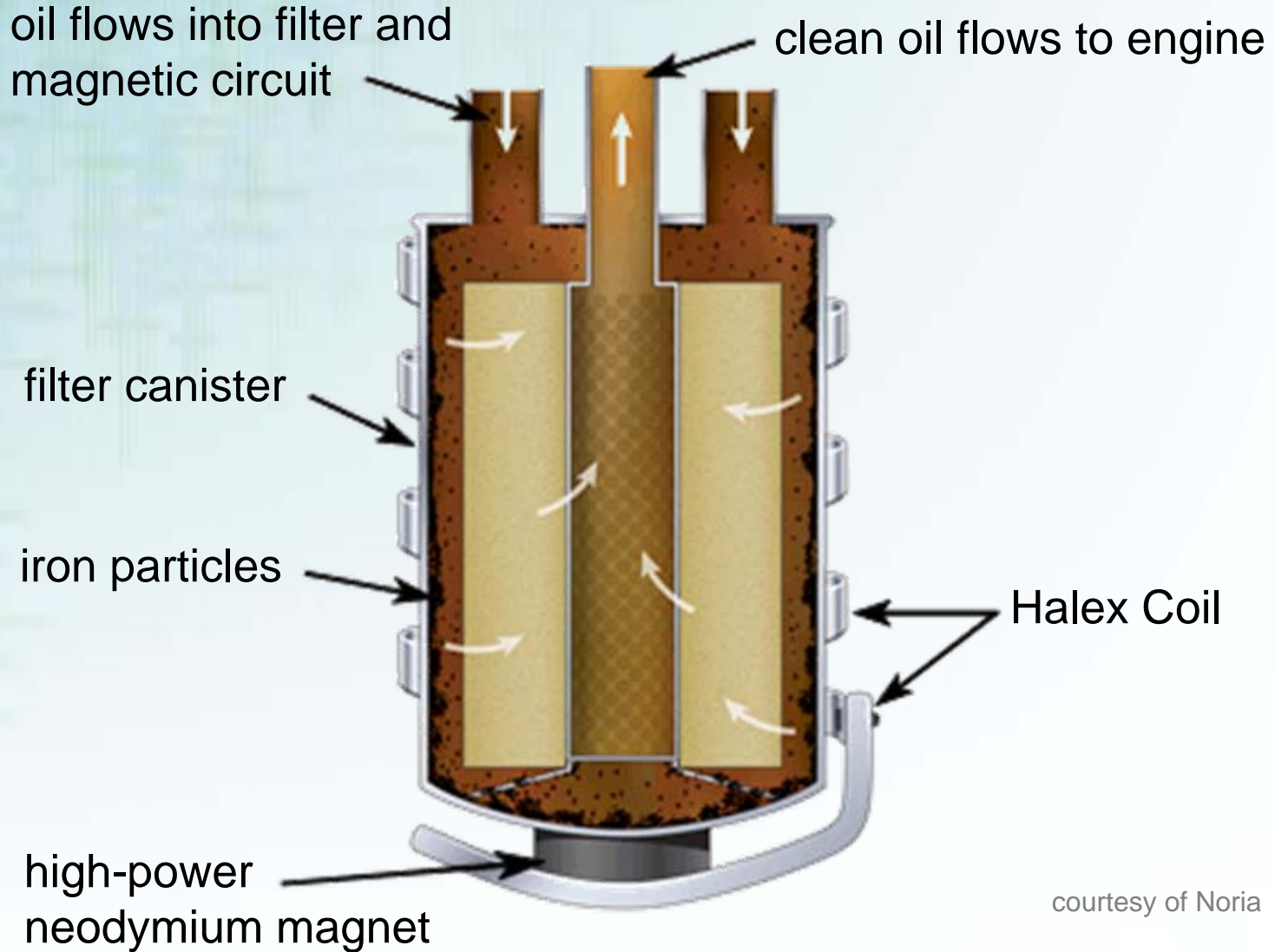
- Reduce contaminates beyond filter's capacity
- Reduce wear and damage
- Extend equipment life
- Extend drain intervals
- Increase up-time
- Save money
- Commercial-grade
- Durable and reusable

# Features and benefits

Filters are engineered to maintain flow while lubricant is passed through small holes. Smaller holes mean finer contaminants are trapped. With the Halex Coil, a filter performs better than its micron rating without changing flow-rate and without intruding on internal systems. It's simply a different way to trap more.

The Halex Coil traps 40 – 90% of iron that would otherwise pass through the existing filter medium. And, by bonding and “piggybacking,” it traps 20 – 60% of non-ferrous contaminants.

# How it works



courtesy of Noria

# Intangible savings

- Extended vehicle life and productivity
- Reduced pollutants and a cleaner-running vehicle
- Economic advantage and edge over competition
- Exponential return on investment due to Coil life
- Preserved equipment value on secondary market
- Reduced dependency on foreign oil

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