



GENUINE PARTS

FILTERS: YOUR FIRST LINE OF DEFENSE

AIR | OIL | HYDRAULIC | FUEL | CAB | CARBON CAB



The cost of a filter goes beyond what you pay for it.

A filter's purpose is to extend the life of your equipment by protecting it from harmful contaminants. Lower-quality filters may save you some money at the counter, but their inferior protection can cost you greatly in the long run.

The smallest particles are often the most damaging. Many will-filters miss these fine particles, which results in gradual damage that often goes unnoticed – until it's too late.

CNH Original Parts filters offer advanced design and durable construction that are rigorously tested by CNH Original Parts engineering to ensure you get the best heavy-duty protection for your equipment.



Our Heavy-Duty Difference:

- 1 Rugged construction – heavy cans built to perform under pressure.
- 2 Spacer bead maintains pleat spacing, making sure filters perform at optimal efficiency.
- 3 MicroLoc™ synthetic media takes hydraulic filtration performance to a whole new level. It delivers:
 - Lower operating pressure drop
 - High efficiency for optimal system protection
 - Superior cold-start filtration
 - Extended filter life – up to 2 to 3 times longer
- 4 RadialSeal™ design provides the best leak protection and superior vibration resistance.
- 5 O-ring seals are designed for foul-proof servicing. Fully stacked seam adds strength and durability.
- 6 Inner liner – the unique center flow tube and spiral lock seam design allows more flow area with greater collapse strength.
- 7 Inner seals – this inner seal between the baffle plate and the filter cartridge is critical. Our filters use a molded elastomer seal.

Media Comparison: MicroLoc™

Synthetic media are superior to cellulose in several ways:

- They have straight, round fibers, which allow oil to flow through faster, lowering restriction, especially when the oil is cold.
- This allows the oil to get to the bearings and the top of the engine much faster to help reduce wear, especially in start up.
- And, because synthetic fibers are smaller than those of cellulose media, smaller pores are formed – which leads to finer filtration and reduced engine wear.



Cellulose (Paper) Media*



MicroLoc™ Synthetic Media*

* Each picture is at a 20 micron scale

Engine Oil Filters

Your off-road equipment generates more usable horsepower than ever before – much more than automotive engines. Tighter tolerances, higher temperatures and severe-duty cycles of off-road engines require high-quality filtration and increased durability without sacrificing filter life.

- Our MicroLoc™ synthetic media is 70% more efficient in filtering critical contaminants as compared to paper-based filter media.
- Improved cold flow allows filtered oil to reach the engine more quickly.
- Delivers high soot tolerance and dirt-holding capacity for greater filter life.



Engine Air Filters

Did you know a typical diesel engine requires more than 8,000 gallons of clean air for every gallon of fuel it burns? The better your engine can breathe, the better it can work. For optimum performance and engine protection, use only CNH Original Parts engine air filters.

- Continuous element media.
- Our PowerCore® air filters deliver up to 3x more efficiency than conventional filters, so they can stop smaller contaminants. The superior synthetic media catches particles a tenth the diameter of a human hair.
- Pleatloc™ media spacing for improved life.
- Superior wet and dry strength.
- Urethane seals and molded-in-place gaskets.
- Advanced RadialSeal™ provides a super-tight seal in rough conditions.
- Improved contaminant encapsulation – dust and dirt won't dislodge during service.



Hydraulic Filters

As one of the first users of high-performance synthetic media in hydraulic and transmission filters, we continue to deliver the optimum balance of efficiency and capacity with CNH Original Parts filters.

- **Dirt-Loading Test** – 48% more dirt-holding capacity.* Maximize your service life.
- **High-Viscosity Pressure Drop** – 25% less restriction.* Cold starts generally cause high pressure through the system, which can force oil to bypass a filter.
- **Media-Rupture Test** – 26% stronger.* If filter media ruptures, unfiltered fluid can circulate through transmission and hydraulic components, leading to premature wear or failure.



FILTER	CAPACITY (g)	CNH ORIGINAL PARTS ADVANTAGE
Competitor	130	48% Greater Capacity
CNH Original Parts	193	

FILTER	AVG. PRESSURE AT FAILURE (PSID)	CNH ORIGINAL PARTS MIN. SPEC (PSID)	CNH ORIGINAL PARTS ADVANTAGE
Competitor	189	200	26% Stronger
CNH Original Parts	239		

* Results from a field test of CNH filter (84226263) versus competitive filter (ISO 16889).

Fuel Filters

Few things will impact your productivity faster than a low-quality fuel filter. With the extremely high injection pressures and tight tolerances of today's low-emissions engines, it doesn't take much dirt to clog a fuel system and stall an engine – and you work in a lot of dirt. Choose the best protection.

- Durable MicroLoc™ proprietary media delivers high-efficiency filtration in the toughest environments.
- Higher efficiency without loss of capacity.
- Better injector and fuel pump protection.
- Patented self-venting drain valve on fuel/water separators dramatically improves removal of both free and emulsified water.
- Increased service life.

