

THE SUPERIOR PROTECTION OF CNH ORIGINAL PARTS FILTERS

CNH

ORIGINAL
PARTS



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 is rigorously tested by CNH Engineering to ensure you get the best heavy-duty protection for your equipment.



OUR

HEAVY-DUTY

DIFFERENCE

1 SUPERIOR MEDIA

Synthetic, multi-layer, gradient density media outperforms competitive cellulose and paper media 2-to-1.

2 TWO-STAGE DESIGN

Additional stacked-disc section removes the finest contaminant particles that can cause the most engine wear.

3 HOT MELT

This high-quality adhesive keeps filter media from bunching and rupturing under the intense pressure common with off-road equipment.

4 HEAVY-DUTY RETAINER

Unlike spacers used by will-filters, a leak-stopping spring resists vibrations to keep filter elements in place.

5 METAL END CAPS AND CENTER TUBES

Cardboard components used by many competitive manufacturers are susceptible to breakdown from moisture.

6 RUBBER SEALS

Unlike cardboard seals that can deteriorate and leak, our rubber seals provide a tight, even seal that prevents unfiltered oil from re-entering your system.

7 RUGGED CONSTRUCTION

CNH Original Parts filters are routinely tested to meet rigorous quality standards.

Nº 1
DIFFERENCE

SUPERIOR MEDIA - The synthetic media in our filters is designed to catch particles in the 5- to 10- micron range (nearly 1/10th the diameter of a human hair).

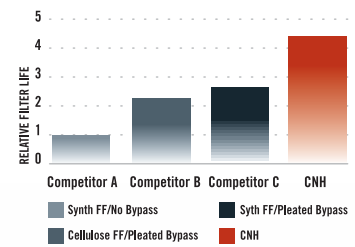
OIL FILTERS



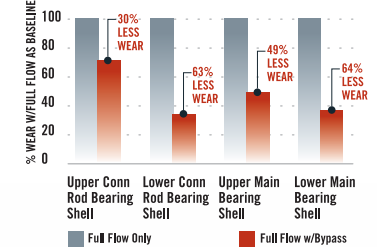
Your off-road equipment generates more usable horsepower than ever before – much more than automotive engines. Tighter tolerances, higher temperatures and severe duty cycles of off-road engines require high-quality filtration and increased durability without sacrificing filter life.



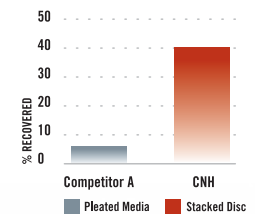
HIGH-SOOT FILTER PLUGGING ENGINE TEST



FULL FLOW VS. FULL FLOW W/BYPASS



SLUDGE REMOVAL



- 1 MEDIA**
 Competitors can't compete. Our MicroLoc™ synthetic media is **70% MORE EFFICIENT** in filtering critical contaminants as compared to paper-based filter media.
- 2 IMPROVED COLD FLOW**
 MicroLoc™ media offers up to **75% LESS FLOW RESTRICTION** at temperatures below 14°F, which allows filtered oil to reach the engine more quickly.
- 3 TRULY TWO-STAGE**
 Why choose twice the inferior filtration? The true two-stage design of CNH Original Parts filters uses stacked disk media that **REMOVES 4X MORE SLUDGE** than pleated media alone.
- 4 DESIGN**
 The **PATENTED VENTURI™ DESIGN** provides the best combination media full flow/bypass filtration on the market to deliver the cleanest possible oil to your engine.
- 5 FILTER LIFE**
 An internal filter element can actually clog the filter earlier in the flow cycle leading to a shorter filter life. Our design delivers **HIGH SOOT TOLERANCE** and dirt-holding capacity for greater filter life.

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.



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

FILTER	CAPACITY (GRAMS)	CNH ADVANTAGE	AVG. PRESSURE AT FAILURE (PSID)	CNH MIN. SPEC (PSID)	CNH ADVANTAGE
COMPETITOR	130	48% GREATER CAPACITY	189	200	26% STRONGER
CNH	193		239		

*Results from a field test of CNH filter (87413809) versus competitive filter. Dirt loading test ISO 16889. Media Rupture Test ISO 2941.

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
- » PowerCore™ air filters have **140% MORE DIRT HOLDING CAPACITY** when compared to a conventional cellulose air filter
- » Pleatloc® media spacing for improved life
- » Superior wet and dry strength
- » Urethane seals and molded-in-place gaskets
- » Advanced Radialseal® provides a **LEAK-FREE SEAL** in rough conditions
- » Improved contaminant encapsulation – dust and dirt won't dislodge during service

*Source: Donaldson Filters, Brochure No. F111080

ACTIVATED CARBON FRESH AIR CAB FILTERS

Breathe easier with CNH Original Parts carbon cab filters.

They combine a highly effective synthetic media with odor-absorbing activated charcoal to remove dust and allergens as well as noxious odors before they reach the operator.

- » **SYNTHETIC MEDIA** captures dust, pollens, and other allergens without air flow restriction
- » **NO MESS**—carbon is bonded to the filter media so no need to add loose carbon refill
- » **EASY TO INSTALL** and remove—no modification to existing housing
- » Activated carbon-impregnated media **ABSORBS ODORS** before reaching the operator



ALL-MAKES OPTIONS



CNH Original Parts also offers a comprehensive line of Fleetguard® air, coolant, fuel hydraulic and lube filtration products for all vehicle applications

- » Advanced filtration products
- » Meets Original Equipment Manufacturer's specifications
- » 24/7 customer service

OVER 5,000 PRODUCTS AVAILABLE:

- » All brands of agricultural and construction equipment
- » Automotive applications
- » Industrial engines
- » Lawn equipment
- » Motorcycles
- » ATVs
- » Boats



SYSTEMGARD™ FLUID ANALYSIS

ENGINE OIL | HYDRAULIC FLUID | DIESEL FUEL

Monitor your filtration efficiency and overall system cleanliness with Systemgard™ Fluid Analysis. This preventative maintenance tool identifies dirt, wear particles, fuel dilution and other contaminants that can significantly shorten equipment life.

Suggested Sampling Intervals

COMPONENT	INTERVAL
Engines	250 hours or at recommended change interval
Hydraulics/ Transmissions	250-500 hours
Differentials or Gearboxes	750 hours

- » Identify minor problems before they become major failures
- » Extend oil drain intervals
- » Extend equipment life
- » Maximize asset reliability
- » Increase resale value





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