

# Keep it clean to reduce fuel use

Filters are about keeping harmful particles out of the engine and prolonging its life right? Well, yes, but it's also about fuel efficiency, too. A dirty engine air filter increases fuel consumption by 5% and a dirty fuel filter will mean using another 5% unnecessarily.

John Deere fuel filters feature tight pleats, coated media, and a tight seal between the media and filter casing.



## Fuel filters

Water is the No. 1 enemy when it comes to fuel. That's why John Deere filters are designed not only to trap water but repel it, too. With a coated media, the filters keep water out, and prevent rust and microbial growth that damage the fuel and lead to reduced fuel economy.

### Benefits

- Tight pleats and even media spacing ensure high capacity to catch water and dust particles before they damage your fuel.
- Coated media repels water and prevents it from soaking through to the fuel as can be the case with uncoated media.
- Tight seal between media and filter casing ensures unfiltered, dirty fuel won't reach the engine.

## Oil filters

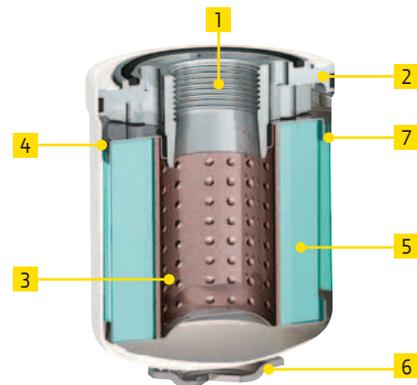
Dirty oil will slow you down, reducing productivity, and will shorten service intervals. If the filter doesn't have adequate capacity to hold dirt, particles will bypass the filter before the regular service becomes due. That leads to unnecessary wear and tear, damaging the engine and using more fuel. John Deere filters are designed to trap particles as small as one fifth of the width of a human hair and keep them away from your engine.

### Benefits

- Even pleats and media spacing ensure even filtration for better overall protection without gaps
- Spiral and crimped centre tube adds strength to prevent media from collapsing and letting unwanted particles into your system
- Rubber gaskets encourage a tighter seal than plastic gaskets found in competitive filters



JDParts Keyword: "Filter"



## John Deere filters: the inside story

- 1 Tapered thread simplifies installation and prevents cross threading.
- 2 Strong baffle plate design guarantees maximum strength and durability.
- 3 Strong inner liner ensures high collapse strength.
- 4 Strong housing material and shape. Dome and corner radius has superior pressure fatigue performance.
- 5 John Deere wire-backed synthetic media gives high efficiency and capacity at low pressure drop.
- 6 Unlike some filters, our wrench removal tool is on the outside and prevents dangerous cracks from developing.
- 7 Heavy duty element end plates and seal. John Deere spin-on filter media is embedded deeper in the sealing compound to prevent leaking.



John Deere oil filters even have media spacing with no gaps that could let contaminants through. Other filters may have irregular spacing, like the filter on the right.