Filter

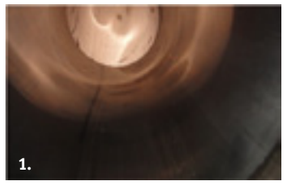
DOOSAN Genuine Parts

When a filter does not work properly, system efficiency and machine productivity will be affected. In particular, this will cause abnormal wear and the early failure of your machine while increasing maintenance costs drastically.

DOOSAN Genuine Filters are designed and developed specifically for DOOSAN machines. They are built to meet DOOSAN's strict criteria and thereby assure reliable, high-quality filtration performance.

To help customers understand the differences between DOOSAN Genuine Filters and non-genuine filters, DOOSAN conducted a comparative test, the results of which clearly illustrate the differences!

EXAMPLES OF DAMAGE CAUSED BY USING NON-GENUINE FILTERS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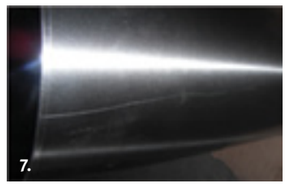
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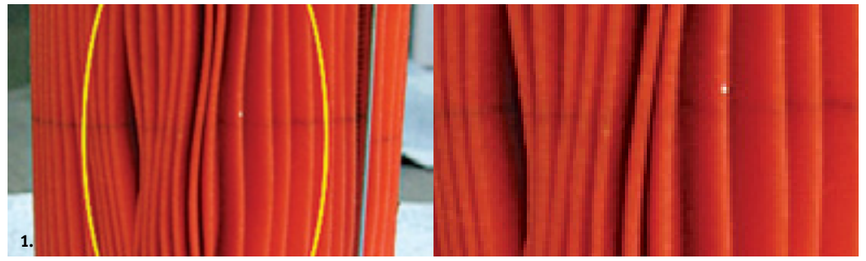
8.

1. Abrasion of the engine cylinder
2. Damage to the piston
3. Breakage of the main pump parts
4. Abrasion of the main pump cylinder block
5. Failure of the injector
6. Breakage of the valve plate
7. Scratching of the cylinder rod
8. Excessive wear of the control valve spool

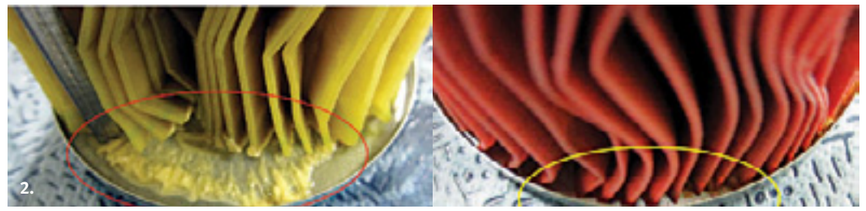
Most non-genuine filters do not meet DOOSAN's Quality Standard, and are greatly inferior in terms of performance and quality to DOOSAN Genuine Filters. Using non-genuine filters can cause abnormal engine and hydraulic system abrasion, breakage, and part failures, while shortening lifespan and increasing maintenance costs drastically.

INTERIOR OF NON-GENUINE FILTERS

1. The use of inferior quality filtering material will fail to prevent the damaging inflow of contaminants. This results in adhesion between the folded surfaces of the filtering material as well as its deformation, which in turn leads to poor filtration performance.


1.

2. Poorly bonded internal construction with low-quality adhesives leaves a filter vulnerable to the influx of contaminants and the separation of elements, causing critical damage to the filter.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3. Because non-genuine fuel filters have a very low capability to separate moisture from fuel, excessive moisture can enter the engine system, thus causing rust and abnormal abrasion, which will result in fuel system failures of the high-pressure pump and injector, etc.
4. Starch is used in non-genuine filters to harden the media, entailing the following potential problems: starch is likely to clog the pores of the media, and tends to gelatinize at high temperature, causing deformation and collapse of the pleated construction. Furthermore, it's highly likely that starch will attract mold.


3.


4.

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DOOSAN Genuine Parts

A DOOSAN GENUINE FILTER WILL PROVIDE YOU WITH :

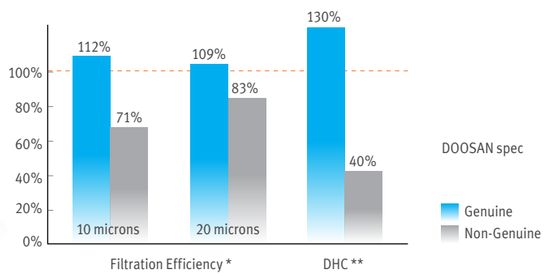
- Outstanding filtration efficiency and low maintenance costs;
- Excellent DHC (Dust Holding Capacity) and stable filtration performance;
- Optimized design for DOOSAN machines and outstanding quality proven under harsh testing conditions;
- Longer lifespan with extensive filtering area;
- Maximizes machine up-time and increases productivity; and
- Maximizes the residual value of your machine.

COMPARISON TEST RESULTS (AVERAGE DATA FOR TEST RESULTS)

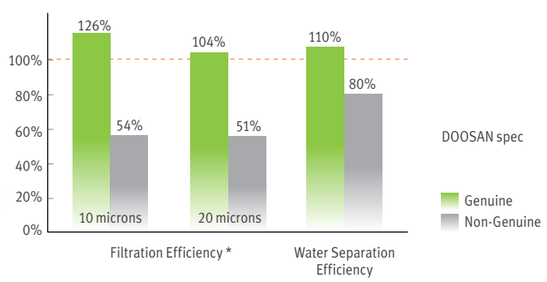
* Filtration Efficiency: The ratio of dust trapped by a filter to the total amount of dust found in the air or oil.

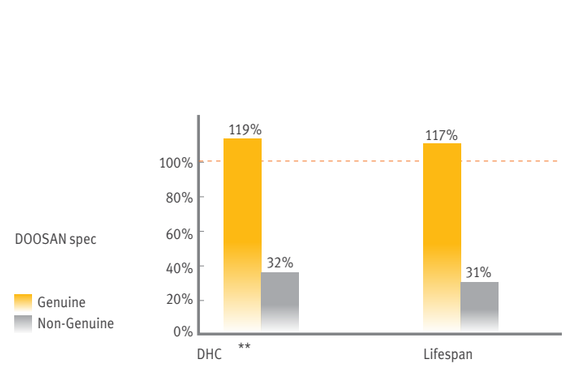
** DHC (Dust Holding Capacity): The total amount of dust which the filter media can hold without exceeding a certain level of resistance.

Engine Oil Filter



Fuel Filter





Air Filter

HIGH EFFICIENCY ENGINE OIL FILTER

1. Strengthened Housing
   Protects the filter with superior durability against external impact.
2. High-Quality Media
   The high-quality 2-layer media maximizes the filtration efficiency and DHC (Dust Holding Capacity) simultaneously while protecting engine parts and extending the lifespan of the filter.
3. Wire Mesh
   Maximizes the filtering area and DHC by preventing pleats from sticking together.

4. Spiral Center Tube
   Strong design ideal for working under high pressure.
5. Reinforced Seam
   High-pressure and long-cycle impulse resistance strengthens the filter and protects the engine.
6. End Cap
   Superior bonding prevents the inflow of contaminants.