ZOOM

GENUINE HYDRAULIC FILTERS

PROTECTION & PERFORMANCE

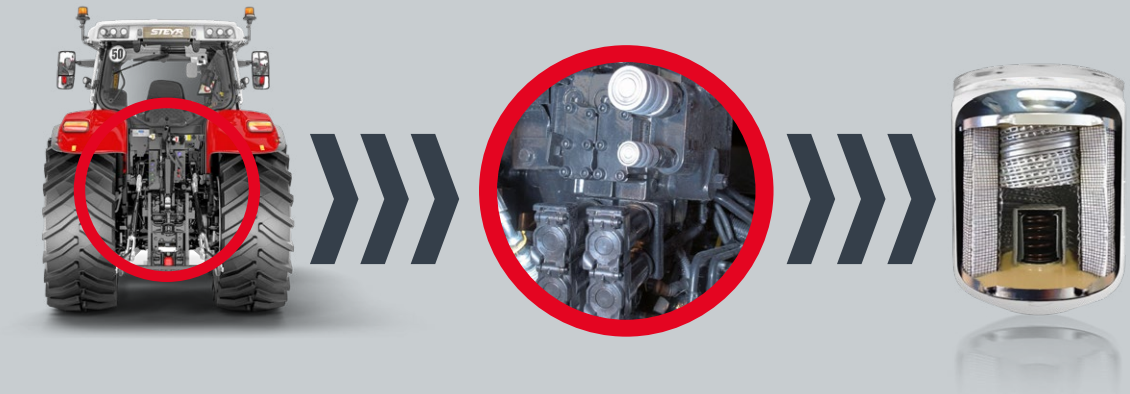
**STEYR MAKES THE DIFFERENCE.
LET'S SEE HOW.**

STEYR Genuine Parts

STEYR TRAKTOREN

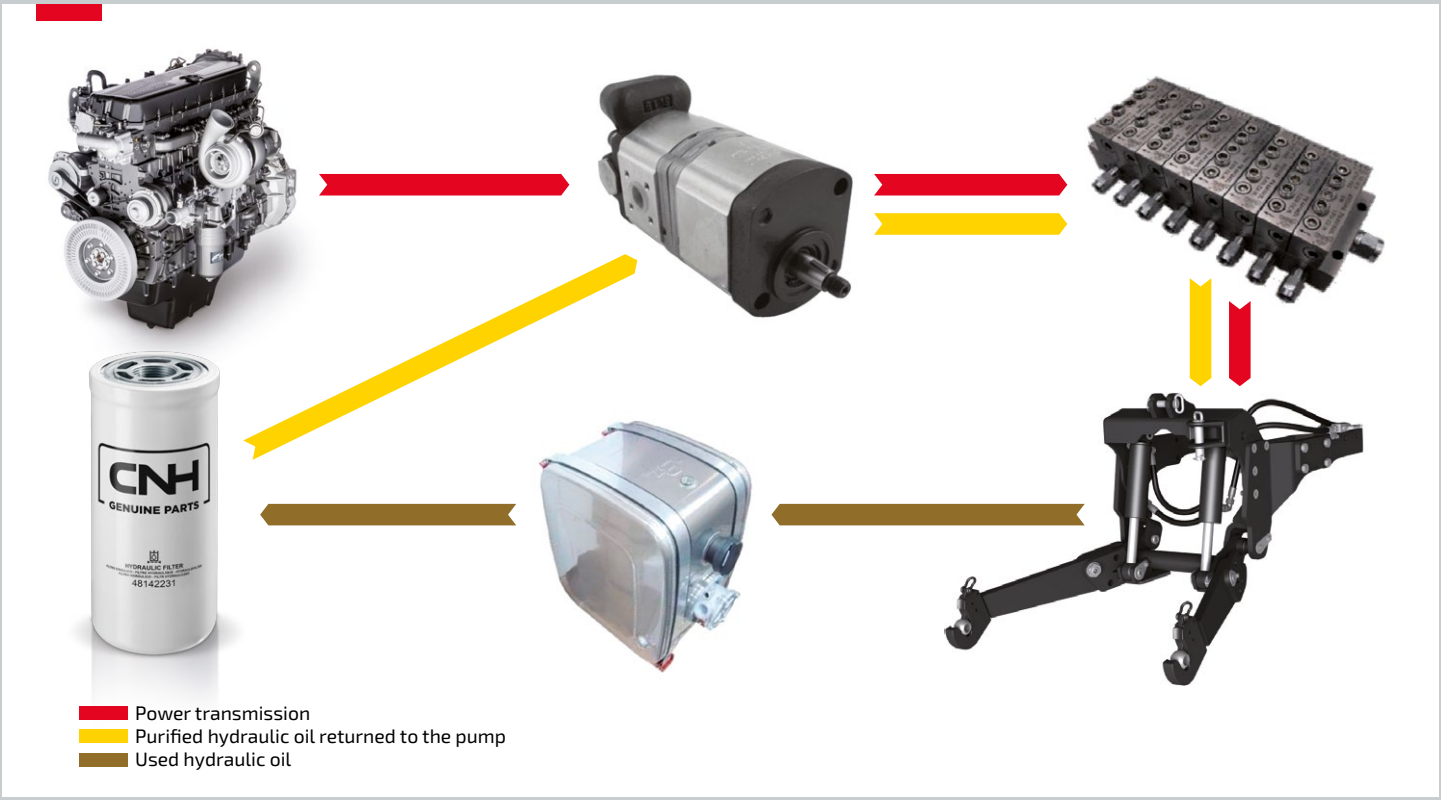
THE KEY ROLE OF THE HYDRAULIC FILTER.

Hydraulic systems are constantly developing. Ever higher pressures and shorter cycles increase the constraints on the components. These become worn, thereby increasing the level of harmful contaminants in the oil that can cause the system to malfunction.
To ensure that the oil retains all its qualities over time, thereby guaranteeing the long life and performance of the hydraulic system, the filtration system must be efficient and perfectly reliable.



The filter's primary function is to **trap all particles that have an abrasive effect** on the components of the hydraulic system such as the pump, control valves, cylinders and hydraulic motor.

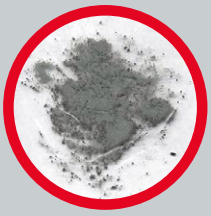
GENERIC DIAGRAM OF THE HYDRAULIC SYSTEM



TYPES OF PARTICLE

Next, the filter must be able to store all the particles accumulated until the next oil change. There are two types of particle:

WEAR RESIDUES



DUST

EFFECTS OF POOR FILTRATION ON THE HYDRAULIC SYSTEM:

DAMAGE TO THE PUMP PISTON

VALVE WEAR

CLOGGED CYLINDERS

WHY CHOOSE GENUINE STEYR HYDRAULIC FILTERS?

ESSENTIAL PROPERTIES OF THE FILTER. A GENUINE STEYR HYDRAULIC FILTER OFFERS TWO KEY ADVANTAGES:

OPTIMUM FILTRATION

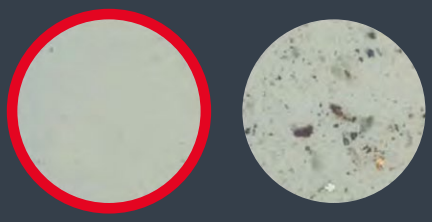
TOP-LEVEL EFFICIENCY

The filtration capacity of a genuine STEYR is up to 60X greater than that of the adaptable filter.

	Number of particles/ml present in the filtered oil	
Particle size	**STEYR GENUINE FILTER**	ADAPTABLE FILTER
>= 4 µm	**320 < x <= 640**	10.000 < x <= 20.000
>= 6 µm	**80 < x <= 160**	2.500 < x <= 5.000
>= 14 µm	**10 < x <= 20**	640 < x <= 1.300

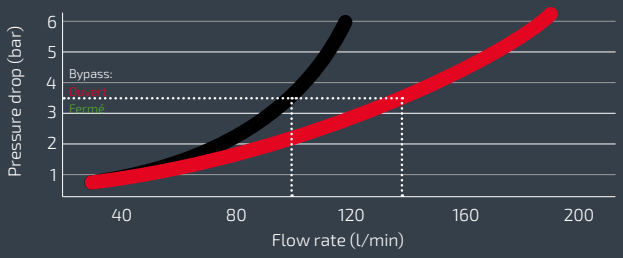
Cleanliness of the filtered oil in line with standard ISO 4406.

60X GREATER



MINIMUM PRESSURE DROP

With equal pressure drop, the Genuine STEYR filter has a higher oil flow rate. **The benefits are as follows:** improved cold starting, better protection of the hydraulic system and no overconsumption.

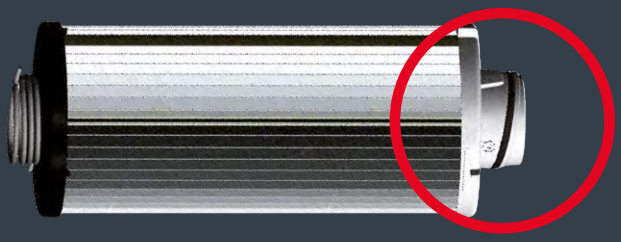


STEYR Genuine filter
Adaptable filter

UNIQUE DESIGN

PERFECT TIGHTNESS

Tightness guaranteed by the inclined gasket and the stop enabling secure mounting.



MANAGED MAINTENANCE

Keen to protect the environment and reduce maintenance times, **STEYR has created a unique Genuine support & cartridge system:**

CARTRIDGE

SUPPORT

During maintenance, only the cartridge needs to be replaced. This is done simply and cleanly thanks to the support which allows the oil to be collected. **Environmentally friendly and economical.**

THE COMBINATION OF THESE KEY BENEFITS MEANS GENUINE FILTERS HAVE SUPERIOR CHARACTERISTICS TO THOSE OF ADAPTABLE FILTERS.

	STEYR GENUINE FILTER	ADAPTABLE FILTER
Retention capacity (g)	**65**	45,75
Size of filtered particles for a filtration capacity of 99%	**8,04**	11,71
Pressure drop (bar)	**3**	4

THE GENUINE STEYR HYDRAULIC FILTER HAS:

- A higher retention capacity for a longer service life
- Finer filtration offering better protection
- Minimal pressure drop for better performance*

*The pressure drop must be as low as possible.

RECOMMENDATIONS FOR USE.

MAINTENANCE INTERVALS.
TO GUARANTEE BEST PERFORMANCE OF YOUR HYDRAULIC SYSTEM UNTIL THE NEXT MAINTENANCE SERVICE, YOU NEED:

A HYDRAULIC SYSTEM OIL WITH A HIGH VISCOSITY INDEX.

AKCELA®

A GENUINE OIL FILTER

GENUINE HYDRAULIC OIL FILTERS ARE PERFECTLY SUITED TO THE MAINTENANCE INTERVALS DEFINED BY STEYR:

IT IS RECOMMENDED TO **CHANGE THE HYDRAULIC SYSTEM OIL**. For more information, please refer to your machine's maintenance manual.

FAILURE TO OBSERVE THE MAINTENANCE INTERVALS **MAY INCREASE YOUR MACHINE'S DOWNTIME, REDUCE ITS PERFORMANCE AND INCUR HIGH MAINTENANCE COSTS.**

LET'S STAY IN TOUCH