

# ZOOM



## GENUINE HYDRAULIC FILTERS PROTECTION & PERFORMANCE

CASE IH MAKES THE DIFFERENCE.  
LET'S SEE HOW.

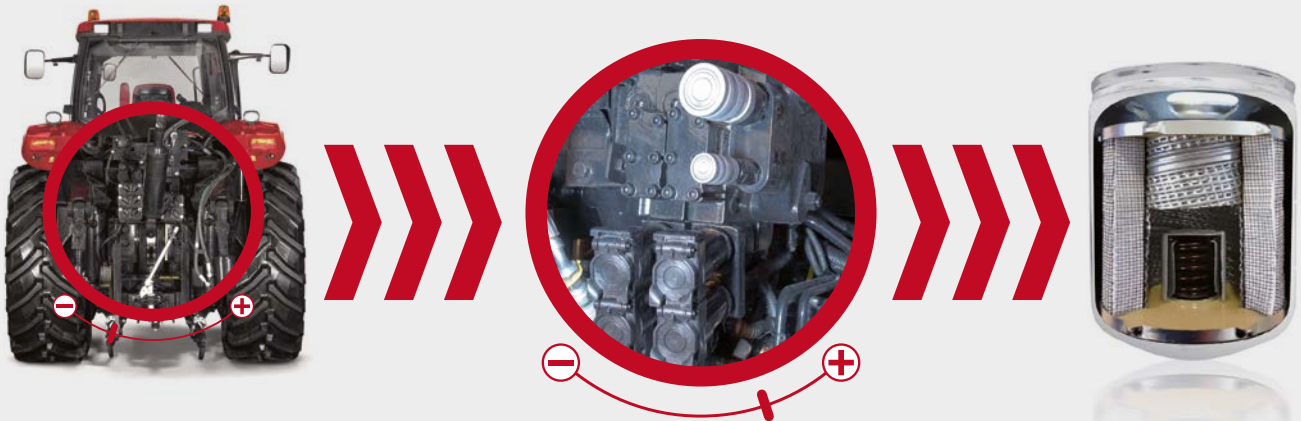


**GENUINEPARTS**  
HIGH PERFORMANCE

**CASE IH**

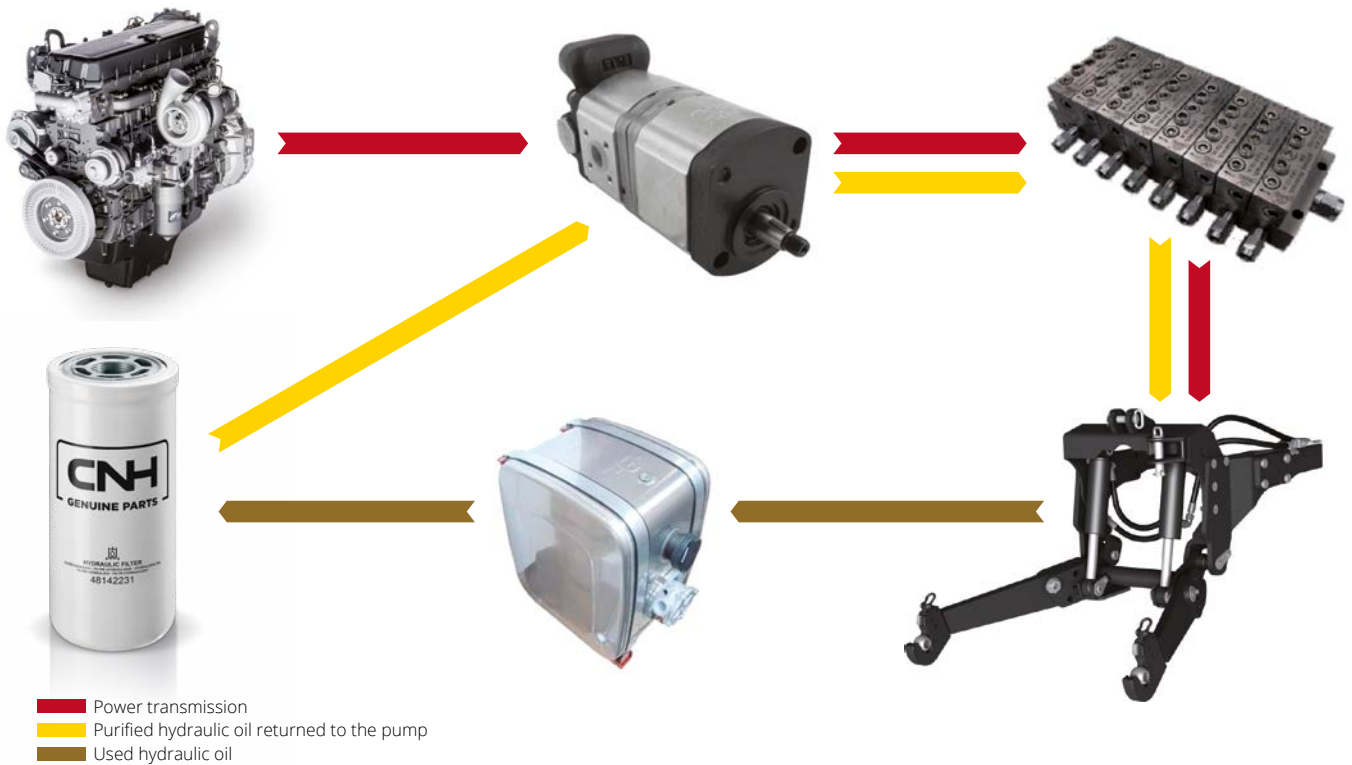
# The key role of the hydraulic filter.

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

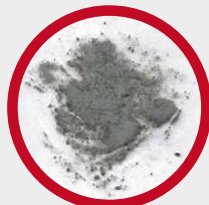


### TYPES OF PARTICLE

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



DAMAGE TO THE PUMP PISTON



VALVE WEAR



CLOGGED CYLINDERS

### EFFECTS OF POOR FILTRATION ON THE HYDRAULIC SYSTEM:

# Why choose Genuine CASE IH hydraulic filters?

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

## OPTIMUM FILTRATION

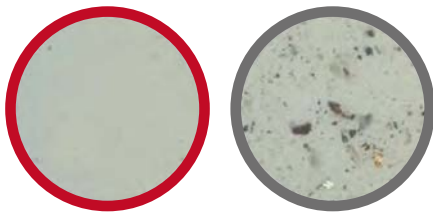
### TOP-LEVEL EFFICIENCY

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

Particle size	Number of particles/ml present in the filtered oil	
	CASE IH 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

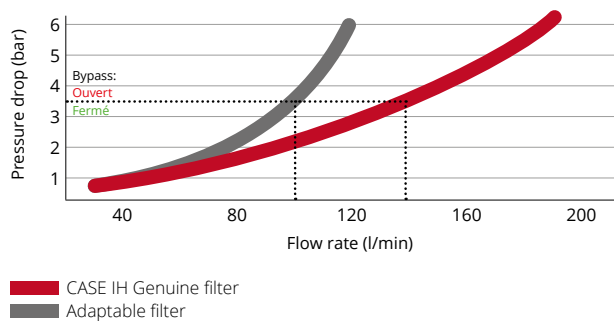
Cleanliness of the filtered oil in line with standard ISO 4406.

**60X  
GREATER**



### MINIMUM PRESSURE DROP

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



## 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, CASE IH 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.

	CASE IH 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 CASE IH 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 HYDRAULIC FILTER.



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

PUMA 230 CVX TRACTOR



1.200 Hours\*

AF9120 COMBINE HARVESTER



1.200 Hours\*

QUADTRAC 620



1.800 Hours\*

\*Duration generally observed, please refer to your machine's maintenance manual or the filter booklet for more information.

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.**



At any time, easily and safely  
from the CASE IH web shop



caseih.com

www.mychhistoire.com

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