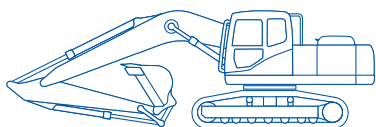




PARTS

ECOWHITE ELEMENT

Hydraulic Element



KOMATSU
Driven by your success

Adoption of highly accurate fibreglass improves filtration ability and extends service life and decrease the wear of your machine's hydraulic system.



EXAMPLES OF HYDRAULIC EXCAVATOR WITH ECOWHITE ELEMENTS

	Machine Models	Part No.	Qty/ Unit	Element Exchange Interval	Hydraulic Oil Exchange Interval
Small Sized Excavator	PC78US-8	21W-60-41121	1 piece	Every 1000hrs	Every 5000hrs
Medium Sized Excavators	PC130-8	14X-60-31150	1 piece	Every 1000hrs	Every 5000hrs
	PC200-7, 8 & PC300-7, 8	207-60-71182	1 piece	Every 1000hrs	Every 5000hrs
	PC400-7 & 8	208-60-71123	1 piece	Every 1000hrs	Every 5000hrs
Large Sized Excavators	PC600-7 & 8	209-60-77532	1 piece	Every 1000hrs	Every 5000hrs
	PC750-7	209-60-77532	2 pieces	Every 1000hrs	Every 5000hrs
	PC800-7 & 8	209-60-77532	2 pieces	Every 1000hrs	Every 5000hrs
	PC1250-8	209-60-77532	2 pieces	Every 1000hrs	Every 5000hrs
	PC2000-8	209-60-77532	3 pieces	Every 1000hrs	Every 5000hrs

For part numbers, please be sure to refer to the Operation and Maintenance manual or to the Parts Book.

COMPARING OUR ECOWHITE ELEMENT OPTION

Comparing Leakage

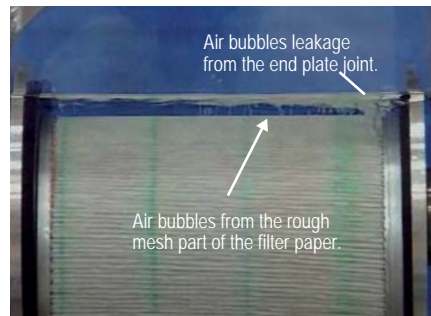
The tough fibreglass synthetic filter of an Ecowhite Element shows a stable filtration capability that is not affected by hydraulic fluctuation or by high backpressure.

Pictured: Fabrication integrity (leak test comparison). Air pressure is applied inside the element (which is filled with a solution). The conditions of the filtering paper itself, as well as the degree of adhesion between the filtering paper and the end plate are tested using the air bubbles discharged from the element.



Ecowhite Filter

Small air bubbles uniformly released from the surface of the filter paper.



Other Filter

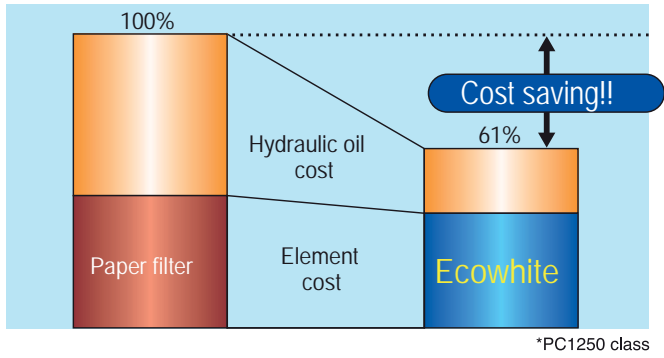
Relatively large air bubbles released from the rough mesh part of the filter paper.

COMPARING OUR ECOWHITE ELEMENT OPTION

Comparing Cost Saving Efficiency

Highly efficient Ecowhite Element contributes to the reduction of maintenance costs.

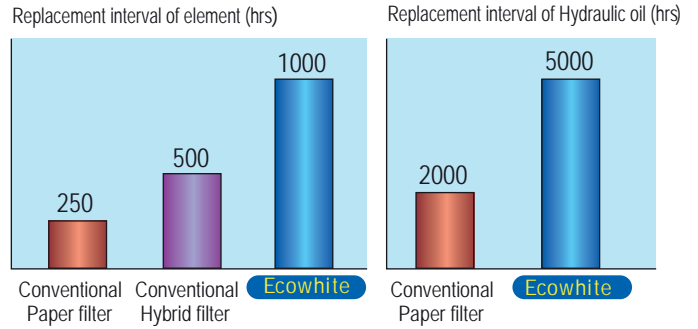
Pictured: Comparison of maintenance cost for large-sized* hydraulic Excavators for 5000 hours (only for element and oil)



Comparing Replacement Intervals

Our Ecowhite Element offers a substantial improvement in capturing more dust. It also has an extended usage life, meaning longer intervals between element replacements and exchange of hydraulic oil.

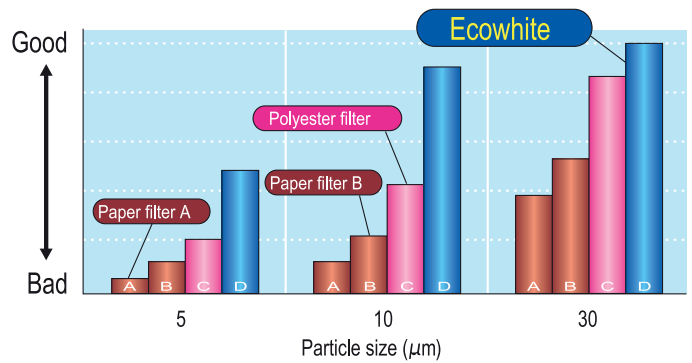
By using a special fibreglass synthetic filter, the Ecowhite Element substantially raises the amount of dust captured in the oil. Compared to paper filters, the exchange of hydraulic oil is extended by 2.5 times (based on a Komatsu Excavator).



Comparing Filtration Capabilities

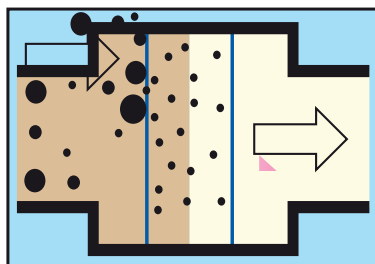
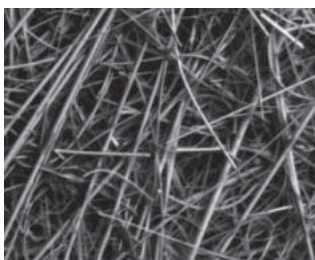
Use of the Synthetic filter made of ultra fine fibreglass results in a substantial rise in filtration efficiency of dust in the oil and of abrasion powder. Wear and damage to the hydraulic equipment are prevented.

Pictured: Comparison of filtration capabilities with filters from other manufacturers.



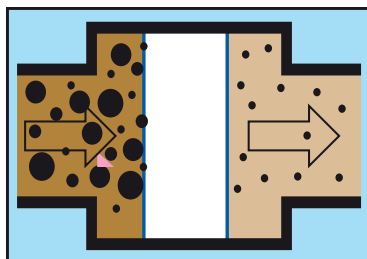
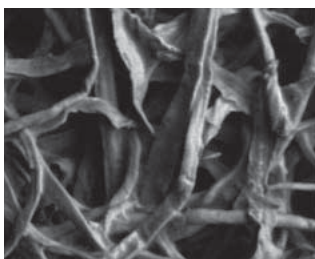
Comparing Dirt Capturing

Comparison of dirt capturing method between paper filter and Ecowhite fibre glass filter.



Ecowhite Filter Glass Filter

Dirt is not only captured on the surface of the filter, but also in the inner parts of the filter. This prevents dirt from contaminating the oil and provides longer life in a more compact size.



Paper Filter

Since there is both large and fine dirt particles in the oil, the paper filter does not always capture the smaller ones.



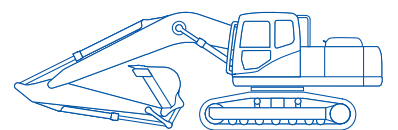
PARTS

FOR MORE INFORMATION:

Australia- Ph: 1300 566 287 | Web: www.komatsu.com.au

New Zealand- Ph: 0800 566 2878 | Web: www.komatsu.co.nz

New Caledonia- Ph: 43 53 06



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