

Company: UBD Cleantech AB
Locations: Höör, Sweden
Type: Contracted Remanufacturer
In reman: Since 1980
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Product

Diesel Particle Filters (DPF)

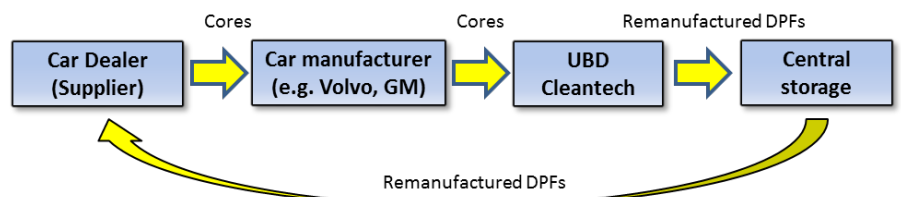
Core Sourcing

Cores are retrieved from workshops without prior knowledge about volumes.

Business Model

UBD Cleantech AB is performing a remanufacturing service for European car manufacturers' aftermarket who are conducting supply to the dealer network. In order to keep diesel cars running in a safe and comfortable manner they need to be maintained after a certain number of mileages or after a certain time. The diesel particle filters clean themselves if the car is running longer distances but still they need to be changed and cleaned properly in a remanufacturing process in order to be safely used again. UBD Cleantech has developed a patented method to remanufacture the filter and restore it to at least 95% of its original performance capacity. Even small volumes will boost your bottom line and soften environmental impact. Therefore, the car users need to change their DPFs at some of the service intervals decided by the car manufacturer e.g. Volvo or Renault. At these services the customer can get the question if he or she wants to have a new DPF for e.g. €800 or a remanufactured DPF for €400. UBD makes it possible for the car workshops to ask this question to their customers.

Material flows within the remanufacturing system of DPFs at UBD Cleantech:



The remanufacturing process for remanufacturing diesel particle filters is:

1) Inspection, 2) Disassembly, 3) Cleaning, 4) Reassembly, 5) Testing

The value for the car dealers is that they can keep a high margin on the remanufactured DPFs compared to a new one. The end-user (car drivers) value is that they get a lower price of the spare part but still with good or equal quality.

The drivers for UBD are e.g. improved economy and environmental performance.

Key resources are here the staff, electricity and also that they have a unique remanufacturing process give that access to O.E.S. customers. Another key resource is the ability UBD have to bring back cores that are remanufacturable.

The challenges for UBD is to develop the remanufacturing process that enable even higher utilisation of incoming cores

Economic Benefits

At these services the customer can get the question if he or she wants to have a new DPF for e.g. €800 or a remanufactured DPF for €400.

Environmental Benefits

At 25.6 kg of carbon emissions, the manufacture of a Diesel Particle Filter comes with a heavy environmental impact. However, remanufacturing the same filter leaves a much lighter 3.3 kg carbon footprint.

Social Benefits – Jobs, Upscaling, etc.

Around 45 people work with the remanufacturing of diesel particle filters at UBD.

Advanced Materials Recovery

Platina, Palladium or Rhodium is recovered as well stainless steel.