



## What's new? p. 1 Introduction

As you can see, we have chosen a name that directly reflects our idea.

## Topic p. 2 preview

1. Introduction of a product group
2. "Remanufacturing" explained
3. Quicktrain intensive training

## Diesel particulate filters p. 3

The benefits of the DPF cleaning system compared to other cleaning methods in the IAM.

## Circular Economy + Remanufacturing

p. 4

What does this actually mean and why is it also interesting for your and our business?

### Greetings!

Even in these exceptional times, we do not want you to miss out on being kept up to date on the latest news about our product range and other important topics from the market.

On the contrary, we have even resolved to provide you with interesting information to support you in your day-to-day work.

This is why we came up with the idea of enhancing and redesigning our well-known newsletter and offerings.

### What's new?

**As you can see, we have given our idea a name: rema.news**

Our range of topics, which was previously limited to rema.germany products, is being expanded to include important topics related to your and our market, e.g. trends, remanufacturing, training offers, etc.

You will also find information on our new, highly intensive **rema.quicktrain** program, among other things. **rema.news** will be published monthly, so that you can stay on the ball and regularly turn information into business.

In order to make **rema.news** interesting and customer-related, we would like to ask you to take part actively and to send us your questions, ideas and short articles ("best practice"). We have set up a special email address for this purpose, which you can use to send us your input:

**be.part@rema-germany.com**

Let us know, for example, what actions you were able to take to make a profit for your company during the corona pandemic, what support you would like your suppliers to provide, etc.

And to motivate you to become a **part** of it, every month we will be holding a drawing from among all the participants for 5 interesting gifts.

We are hoping for many **"parts"** to help shape the news and the future too!

**Be part of a better future!**

Heinz Hölker

Dennis Hölker



## The topics we have specifically planned:

1.

With each **rema.news**, a **rema.germany** product group will be presented with lots of info.

» In this issue, we will be providing more detailed information about diesel particulate filters

2.

**Topic series: "Circular Economy and Remanufacturing - what exactly is that?"**

**Part 1:** Definition of the terms and important basic information  
In this issue (1/21)

**Part 2:** What is the significance of remanufacturing for the **environment**?  
In issue 2/21

**Part 3:** What is the significance of remanufacturing for **society**?  
In issue 3/21

**Part 4:** What is the significance of remanufacturing for our **customers**?  
In issue 4/21

If you prefer a webinar for your team on these topics (also available as a single session), please get in touch - we'll do it!

3.

**rema.quicktrain**

### 1. What is rema.quicktrain?

An intensive 30-minute training course on specific products: short, intensive, know-how! Anyone can sign up and take part in the **rema.quicktrain** webinars for free.

The specific dates for the product groups can be found below and will be also announced in the next **rema.news**. We would also be happy to conduct separate **rema.quicktrain** training courses for interested groups, departments, and branch offices.

### 2. rema.quicktrain for product groups

- Diesel particulate filters product group  
» Date: 7 July 2021, 4:30-5:00 pm
- Brake calipers product group  
» Date: 8 July 2021, 4:30-5:00 pm
- Steering systems product group  
» Date will be announced in issue 2/21
- Drivetrain product group  
» Date will be announced in issue 3/21



## We protect our environment!



## Our products

- Steering systems
- Braking systems
- Compressed air systems
- Transmission technology
- Axle drives
- Fuel technology
- Exhaust technology

If necessary, also contact your local wholesaler.

We have included the latest diesel particulate filter flyer with interesting information in today's **rema.news**.



## About diesel particulate filters

The diesel particulate filter is a key component for the exhaust emissions characteristics of the vehicle. In conjunction with the other components of a Euro 6 exhaust system, EGR, turbo-charger, catalytic converter, the DPF ensures that environmentally harmful soot particles are filtered out of the exhaust emissions, thus ensuring cleaner air.

The requirements are legally defined in detail by the Euro 6 standard (initial registration 31 December 2013 or later).

To ensure that the Euro 6 exhaust systems are supplied with the appropriate components in accordance with the manufacturer's homologation (approval), also when servicing is required, it should be noted that the vehicle manufacturer only uses specific particulate filters (OE references) for each of the different vehicle and engine types.

Only the DPFs matching this type are homologated for the specific application!

The use of a DPF that does not comply with the required homologation will invalidate the vehicle's operating permit.

### How do the individual DPF types actually differ?

For one, DPFs are equipped with "substrates" of different sizes, i.e. the inserts made of ceramic or silicon carbide. This already significantly influences filter performance. But the mere size of the substrate by no means determines the efficiency of the filter. The interaction of the ceramic surface and a "washcoat", a chemical coating of precious metals (e.g. platinum) and a protective layer to prevent the washcoat from burning off (e.g. palladium), is the only way to achieve legally homologated filter efficiency.

In the illustration we have listed some examples of particle filters, which have



various differences, some of which are not visible from the outside.

In addition, cleaning the DPF clearly has a significant influence on efficiency and thus also on the vehicle's consumption and emissions data.

By cleaning the substrate and the washcoat gently at OES level, the filter will remain usable for a longer time and a cleaning efficiency of approx. 97% (compared to new filters) will be attained.

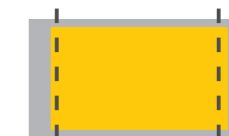
A highly technical and environmentally friendly process is usually used for this, which uses pulsating air and an emulsion flush.

### Differences 844140 /-270 /-560 /-570

844140  
001 490 8592



844560  
001 490 8492



844270  
001 490 8392



844570  
001 490 8692



- The housing (grey) is **identical**.
- Seal and clamp set is **identical**.
- **The substrate (yellow) has different lengths and/or a different position in the filter housing!**
- **The washcoat is different! (Not externally recognizable)**

### Differences 844160 /-320

844160  
2269640



844320  
2575576



- The housing (grey) is **identical**.
- Seal and clamp set is **identical**.
- The substrate (yellow) has **identical** lengths and an **identical** position in the filter housing!
- **The filter weight differs by approx. 3 kg!**
- **The washcoat (green) is different! (Not externally recognizable)**



If you have any questions, suggestions or registrations:  
[be.part@rema-germany.com](mailto:be.part@rema-germany.com)

# Circular Economy and Remanufacturing, what exactly is that?

More and more frequently, we come across terms such as circular economy, sustainability, reconditioning, remanufacturing, etc. in our daily lives.

## What do these terms actually mean and why is it also of interest for your and our business?

Since these questions will become increasingly important, we have decided to devote a good amount of space to this topic in this and upcoming issues of **rema.news**. After all, it concerns us all and not only affects our business, but also our private lives and the future of the world in which we and future generations will live.

It should be mentioned at the outset that these issues are managed and decided at the international political

level; it is not an idea cooked up by a few market players to be able to offer certain products "cheaply".

The circular economy has been taken seriously since 2015 and is supported and being pushed by governments and international committees.

The recently presented climate protection programs of the EU and the Leaders Conference also include Remanufacturing as one of the four key components of the "4R Campaign": **Reduce, Reuse, Reman, Recycle**. Thus, remanufacturing can be found in all major international documents and programs. The generic terms common to all terms are sustainability and product life extension. This can lower the use of material by up to 90% (!), the consumption of energy by up to

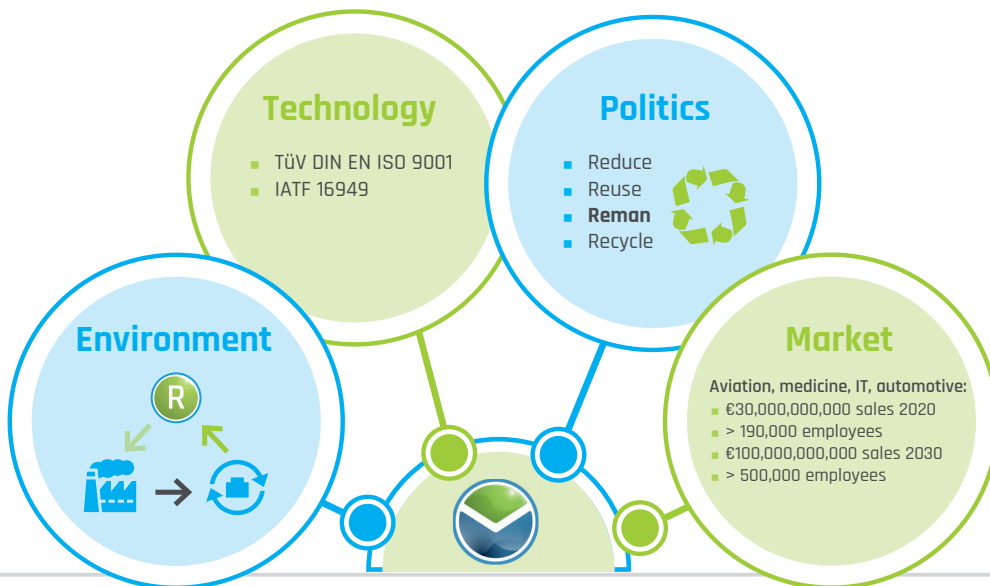
80% (!), and thus considerably lower the extent of CO2 emissions!

The importance of remanufacturing as one of the 4 established pillars of the circular economy will be discussed in more detail and illustrated with concrete examples in upcoming issues. In the illustration, we have already summarized the most important points of remanufacturing. We are sure that reading these articles will give you a lot to think about on the topics of business, the environment and society.

In any case, APS has decided to take on this task and expand on it. Therefore, the following vision has been firmly set as one of our corporate goals:

*"We have set ourselves the ultimate goal of steadily increasing our contribution to the sustainable conservation of our world's resources, encouraging other market players to do so, and thereby becoming synonymous with the circular economy in the relevant market in Europe."*

Heinz Hölker



**rema.germany, a brand of APS Germany GmbH, the "easy to deal with" company!**

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