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Dear Madam or Sir,

We would like to thank you very much for the trust you have placed in us once again this year and for motivating us time and again to do our best for you.

In our last newsletter of the year, we have interesting topics, current information and, as has become a bit of a tradition by now, our new Christmas card.

We wish you and your families a good start to 2023 and are already looking forward to our continued cooperation.



Have fun reading!

Oliver Schöttle and the entire Team of SM Motorenteile GmbH

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MAIN TOPIC

Our programme for Howo / Shackman

As an export-oriented company, we strive to remain ahead in terms of technological

developments and market trends by having an open ear for our customers' evolving needs. Thus, for many years we have endeavoured to develop engine parts that you cannot find everywhere and are outside the expected standard portfolio. For example, we offer both pistons ([805503-00-1](#) and [805504-00-1](#)), and cylinder liners ([955503-1](#)) in proven SM quality for the 6-cylinder turbo diesel WD615.47.

These engines are used in various Chinese-made trucks and buses such as Sinotruk (CNHTC) and Howo. The supply of spare parts for these vehicles is often difficult, so that SM products are in demand thanks to their availability and quality, despite the perceived disadvantage of our location.

Nimonic Valves programme extension

Valves are components that are submitted to high mechanical and thermal stress. Inlet and exhaust valves seal the combustion chamber and control the gas exchange in the engine. During the service life of an engine, the valves are subjected to approximately 200 million load changes. The exhaust valve is exposed to extreme temperatures by the hot exhaust gases flowing around it during the opening of the exhaust stroke. Inlet valves reach a temperature of approx. 350°C to 600°C whilst exhaust valves can reach temperatures of up to 1,000°C!

Due to the constantly increasing demands on exhaust emissions and the associated higher injection pressures, the material possibilities of diesel engine components are being exploited to an ever-greater extent. The first choice for exhaust valves is the material Nimonic, which offers significantly higher operational reliability, i.e., wear & tear and corrosion resistance. Typically, Nimonic valves are used in aircraft engines, in the racing sector and for highly supercharged diesel engines.

SM Motorenteile GmbH has been supplying Nimonic valves to its OE series customers for years and has also introduced Nimonic as the first choice for exhaust valves in its aftermarket spare parts programme. These are found in newer diesel engine generations, e.g., for the DAF engines

[RS 180 L/M / RS 200 L/M / RS 222 L ATI / RS 222 M](#) and the large-displacement Euro 6 engines [MX13 300/315/340/355/375/990](#).

NEW RELEASES



New developments in SM Motorenteile

To keep up to date with the latest technologies and supply our global markets in the best possible way, we are constantly expanding our product portfolio through new developments.

We are currently developing new engine parts such as piston rings, pistons, cylinder liners and assemblies, valve train parts and engine bearings. Now available for pre-order.

Piston Rings / Pistons / Cylinder Liners and Assemblies

[Caterpillar Eng. 3406 / 3406E / 3408 / 3142](#)

[Caterpillar Eng. 3406 / 3406E / 3408 / 3142](#)

[Caterpillar Eng. G3406 / G3412 / 3046 / 3406E / 3408 / 3412](#)

[Mercedes Eng. M272.911 / M272.920-922 / M272.940-947 / M272.949 / M272.952](#)

Valve Train Parts

[Isuzu Eng. 4JA1 / 4JB1](#)

[Isuzu Eng. 4JA1 / 4JB1](#)

New Items in Stock

As a result of our continuous program extension, we now have new references for Piston Rings, Pistons, Cylinder Liners, Assemblies as well as Valve Train parts and Engine Bearings. Now available in stock!

Engine Bearings

[BMW Eng. N47 D20 A / N47 D20 B / N47 D20 C / N47S D20 D](#)

[BMW Eng. N57 306 D2 / N57 306 D3 / N57 D30 A / N57 D30 B / N57N 306 D2 / N57N 306 D3 / N57N 306 D5](#)

[Mini Eng. N47 C20 A](#)

[Perkins Eng. 4.192 / 6.288 / 3.144 / 3.152 / 3.1524 / 4.203 / 4.2032 / T3.152.4 / 4.288D](#)

[Volvo Eng. D 100 A/B / HD 100 A/D / TD 100 B/BG/C/CHC/F/G/GA / TD 101](#)

[F/FA/FC/FD/G/GA/GB/GE / TD 102](#)

[F/FAQ/FBQ/FCQ/FD/FDQ/FEQ/FGQ/FF/FH/FL/FM/FQ/FS/FT / TD 103](#)

[E/EA/ES/KB/KF / THD 100 A/D/DA/DB/DC/DD/E/EA/EB/EC/ED/EE/EK / THD 101](#)

[B/GB/GC/GD/KB/KC/KE / THD 102 KA/KB/KD/KF / THD 103 E/ES/KB/KD/KF /](#)

[D10A320 / D10A360 / D10B320 / D10B360](#)

Piston Rings / Pistons / Cylinder Liners and Assemblies

[Citroen Eng. 1KR-FE](#)

[Cummins Eng. 6C-8.3](#)

[Daihatsu Eng. 1KR-FE](#)

[Peugeot Eng. 1KR-FE](#)

[Rover Eng. 1 / 11K / 14K](#)

[Subaru Eng. 1KR-FE](#)

[Toyota Eng. 12R / 12R-J](#)

[Toyota Eng. 1KR-FE](#)

Valve Train Parts

[Audi Eng. CZPB / CZRA / DKTA / DKTB / DKTC / DKYA / DKZA](#)

[Audi Eng. CZPB / CZRA / DKTA / DKTB / DKTC / DKYA / DKZA](#)

[Cupra Eng. CZPB](#)

[Cupra Eng. CZPB](#)

[Cummins Eng. 6 CT](#)

[Mazda Eng. F8 \(12V\) / FE \(12V\) / FE \(8V\) / FEFA](#)

[Seat Eng. CZPB / DKZA](#)

[Seat Eng. CZPB / DKZA](#)

[Skoda Eng. Eng. CZPB / DKZA](#)

[Skoda Eng. Eng. CZPB / DKZA](#)

[VW Eng. Eng. CZPB / DKZA](#)

[VW Eng. Eng. CZPB / DKZA](#)

INTERNAL

10-year anniversary: Mr. Hanifi Gülmez



We congratulate Mr. Gülmez on his 10-year anniversary. Mr. Gülmez has been working in our warehouse since the 1st of September 2012 and has developed into a reliable and committed colleague. Always friendly and professional he took over the management and coordination of outgoing goods just one year after he began.

Since the beginning of this year, he has been taking care of more and more tasks, such as inventory and the internal improvement of work processes, thus promoting his personal development.

We thank Mr. Gülmez for his commitment and look forward to many more years together.

First Aid Course

On the 18th of November the time had come again, 19 volunteers from the warehouse and office lined up to refresh their first responder skills. This ensures that serious situations can be dealt with quickly and in a coordinated manner.

We thank our colleagues for their commitment and dedication.



This year, we will once again donate a portion of our Christmas gifts to all those organisations whose efforts are exemplary in caring for those in need and thus making their lives a little bit easier. We are always happy to be able to make our contribution.

This year our donations go to:

Doctors without borders

Ludwigtafel

Children and youth hospice Ludwigsburg



We thank you for your support in this tradition and wholeheartedly wish you and your families a relaxing and wonderful Christmas holiday.

Continue to stay healthy!

EXTERNAL

Visit to the Automechanika Dubai 2022





After a 2-year Covid break, we visited the Automechanika Dubai which opened its doors to the world of the aftermarket from 22.11.-24.11.2022. We used this fair to have fruitful discussions with our customers, but also to personally meet those customers who unfortunately could not come to the Automechanika Frankfurt 2022.

We would like to thank our partners and customers for the numerous and exciting discussions. A special thanks goes to our representatives in the MENA region who supported us during the fair.

Do you still know me?



High combustion pressures and thermal loads in modern diesel engines place high demands on their corresponding pistons. The 6-cylinder 11-litre DXi11 engine from Volvo/Renault uses a steel piston which we have had in our range for some time under [803849-00-1](#) or [813849-2](#) as a piston/cylinder assembly.

Ask your sales representative for more information.

Do you already know me?

For the widely used 2.2 litre diesel engines for Peugeot Boxer, Ford Transit and Citroen Jumper, you can now choose between the piston with DLC pin [802112-00-1](#) or with conventional pin [802125-00-1](#). Both pistons are available in standard 86.00 mm and oversize 86.50 mm.

Contact your SM area sales manager for more information.



IMPORTANT DATES

Opening hours



During the Christmas and New Year holidays (24.12.2022 up to and including 08.01.2023) we remain closed.
We will be back for you on the **09.01.2023!**

You do not want to receive the newsletter? [Here](#) you can log off.

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