MWM spare parts

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MWM gas engines and generator sets are known for their reliability and high performance. However, in order to maintain their optimal performance, it is necessary to use quality spare parts. In this article we will discuss why it is important to choose original MWM spare parts, what are the analogs of MWM spare parts and how to choose the right analogs for your equipment.

Advantages of original MWM spare parts

Original MWM spare parts are designed to meet all the technical features and requirements of gas engines and gas piston units of this brand. The use of such components guarantees high reliability, efficiency and longevity of your equipment. Here are a few key advantages:
High reliability: Genuine MWM parts undergo rigorous quality checks and meet all manufacturer standards.
Energy efficiency: MWM parts ensure optimal combustion, which reduces exhaust system pollution and improves energy efficiency.
Durability: Robust construction and high quality materials guarantee a long service life of the components.
Fast delivery: The MKS Group has a large stock of original MWM spare parts. And thanks to the stock of spare parts in the warehouse, this allows for quick delivery of the required components.

Main components for MWM gas engines

Pistons and piston rings

MWM pistons are specially designed for high thermal and mechanical stresses. They ensure stable combustion and high energy efficiency. Piston rings also play an important role in maintaining tightness and reducing cylinder wear.

Spark plugs

MWM spark plugs with a foramer provide reliable ignition and consistent engine performance. They are designed for a variety of engine series including TCG 2016, TCG 2020, TCG 2032, TCG 3016 and TCG 3020.

Rods and bearings

MWM connecting rods and bearings withstand high mechanical loads and ensure smooth engine operation. The robust design and precise fit guarantee a long service life of these components.

Cylinder heads

The cylinder head is a key component of the MWM gas engine that ensures reliable and efficient operation. The cylinder head performs several important functions including combustion and cooling.

Principle of operation of the cylinder head (CCH):

The principle of operation of the cylinder head (CCH) of the MWM gas engine is as follows:

Combustion: The combustion chamber forms the space where the air-fuel mixture burns. Spark plugs provide the spark to ignite the mixture, and injectors deliver fuel into the combustion chamber. Inlet and exhaust valves control the flow of air and exhaust gases.
Tightness: The cylinder-head gasket provides a connection between the cylinder-head and the cylinder block, preventing leakage of gases and coolant.
Cooling: Water passages circulate coolant to remove heat from the combustion chamber.
The cylinder head consists of many components including valves, camshaft, springs, tappets, cams, hydraulic compensators and others. All components are precision engineered to ensure proper operation of the timing mechanism.

Cylinder Head Rebuild (CHR)

We offer cylinder head rebuilding (CHR) services for MWM gas engines. The rebuilding process involves several key steps:

Cylinder Block Defecting. The first step involves a thorough diagnosis of the cylinder head to identify all defects and damage.
Selection of a damage-free cylinder-head. We select only those cylinder-heads that do not have cracks and shells on the body to ensure their reliability after restoration.
Replacement parts. During the rebuild process, we replace all worn or damaged components including valves, rocker arms, springs and valve seats. We use only

genuine MWM parts to ensure the high quality and durability of your rebuilt cylinder head.

Analogs and alternatives MWM

Chinese analogues of MWM

There are also Chinese analogs of MWM spare parts on the market. However, it is important to remember that using non-original components may result in reduced performance and reliability of your equipment. Authorized MWM dealers recommend using only genuine parts to ensure the longevity and performance of your engines.

Many service engineers already know and have experienced the fact that Chinese manufacturers often have different overall dimensions than Russian manufacturers. There are known cases when a spare part from China had to be cut to length or somehow adapted to fit the size. That is why we do not use MWM analogs from Chinese manufacturers and do not recommend them to our customers.

Stable supply and cooperation

We are still actively renewing our stock with original MWM spare parts and despite the complicated political and economic relations between countries, we maintain stable supplies and cooperation with all our partners.

Wide range of spare parts

MKS Group of Companies, being an official MWM dealer, offers a wide range of original MWM spare parts, OEM spare parts and quality analogs of original MWM spare parts. Here you can buy analogs of MWM starting from the highest quality manufacturers from Europe, ending with the most affordable on the market offers of Chinese parts. For many years we have experience with all kinds of spare parts, and based on this experience we can confidently say in which situations and which parts will suit you best. From consultation and selection to full service and repair. We can help you with any issue related to gas piston plants.

Economy and safety in operation

The use of original spare parts for MWM not only reduces operating costs, but also minimizes the risks of accidents and downtime. Genuine parts are manufactured to exacting standards to ensure high durability and long service life. This is especially

important for industrial facilities where every minute of downtime is a financial loss.

Warranty and responsibility

MKS Group of Companies is an official MWM dealer - it is not only the purchase of spare parts, but also the assurance of quality guarantee. We are fully responsible for each supplied MWM part, whether it is a filter, plug or turbine, and guarantee its compliance with the standards of MWM factory in Mannheim. Our company provides our customers not only with original spare parts, but also with their timely delivery and technical support at all stages of equipment operation.

Service recommendations

To maximize the efficiency and longevity of MWM gas engines, it is important not only to use original spare parts, but also to follow the recommended maintenance schedule. We recommend following the manufacturer's instructions and regular diagnostics of the equipment to detect possible problems and prevent their development.

Regular maintenance and replacement of worn MWM components is the key to not only high productivity, but also operational safety. Our experts will help you develop an optimal maintenance schedule, taking into account the specifics of your equipment and operating conditions.

Conclusion

Choosing original spare parts for MWM is an investment in reliability and efficiency of your equipment. MKS Group of Companies guarantees high quality of all provided parts and components, as well as prompt delivery and professional support at all stages of cooperation. We strongly recommend to avoid fakes and low-quality analogs, which can damage your equipment and lead to serious financial losses.

Contact us for spare parts for MWM motors and we will help you to ensure reliable operation of your equipment for many years to come!