

MWM® GAS ENGINES

CAT® & MWM® | TBG616 | TBG620 | TCG2016 | CG132 | TCG2020 | CG170



To further consolidate our position as an international expert in gas engine spare parts, service solutions, and gas engine upgrade developments, PowerUP offers a product range suitable for all MWM®(CAT®)-engines. From spare parts and service to the complete overhaul of MWM®(CAT®)-gas engines in our workshop. With our products suitable for MWM®(CAT®)-engines, you get exactly what you need: reliability and ease of maintenance at a competitive price.



PowerUP Spark Plugs

suitable for MWM®(CAT®)-Engines



Description

- Suitable for MWM®(CAT®)-engines
- Ideal for natural gas and biogas applications
- Separate spark plug and connector in a two-piece design: up to 20% longer service life and lower life cycle costs

Advantages

- No parameter changes required
- Separate spark plugs and spark plug connectors
- Maintenance-free

Compatibility

- Plug-and-Play-Design
- Available for natural gas and biogas



PowerUP Pistons

suitable for MWM[®](CAT[®])-Engines



Description

- We offer a complete range of pistons for all compression ratios and gas types.
- In addition, pistons suitable for MWM[®](CAT[®])-gas engines are available for retrofitting.



Advantages

- Increased reliability thanks to improved piston design that prevents the risk of piston cracks.
- The PowerUP piston has lower piston crown temperatures, which reduces the risk of knocking.

PowerUP Maintenance Parts suitable for MWM[®](CAT[®])-Engines

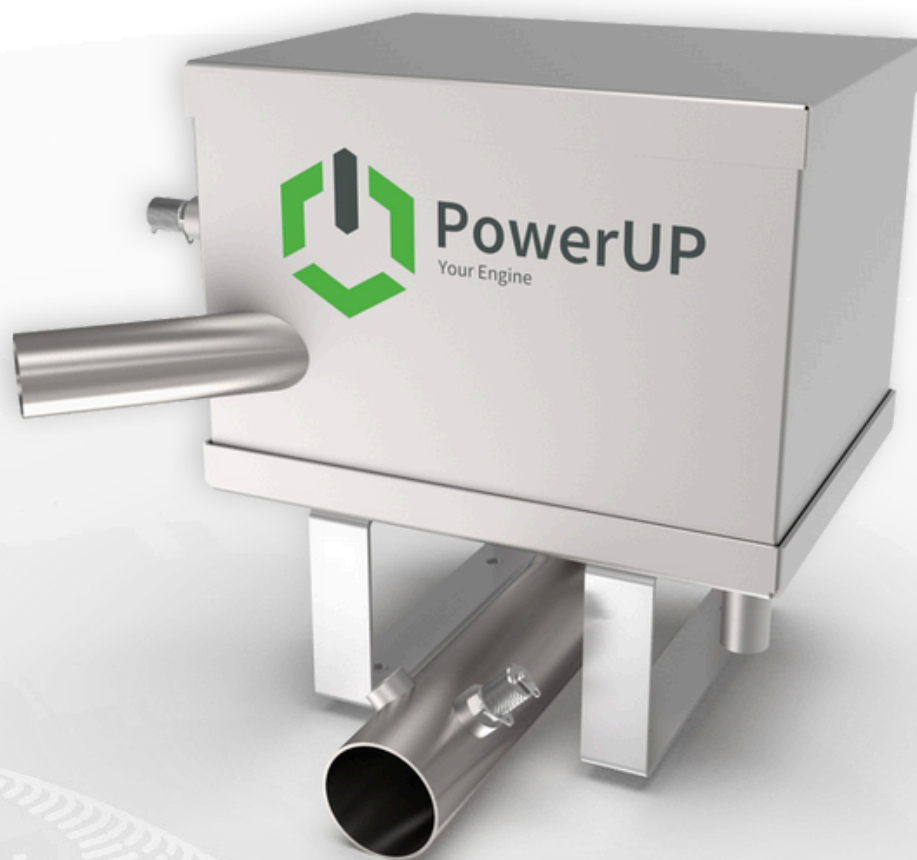


Description

- The PowerUP product range covers the entire range of consumables and spare parts for scheduled and unscheduled maintenance.
- Our product portfolio suitable for MWM[®](CAT[®])-engines ranges from consumables to major overhauls and even engine control system upgrades.
- Each part is carefully specified, tested, and sourced from reliable, reputable suppliers to meet the highest quality standards.

PowerUP Blow-by-Filter

suitable for MWM®(CAT®)-Engines



Description

- Our Blow-by-Filter significantly reduces contamination of turbochargers, intercoolers, and combustion chambers, thereby extending the service life and performance of the entire gas engine. This increases the overall reliability of the engine.

Advantages

- Expected service life of up to 30,000 operating hours
- Guaranteed oil separation rate of 99.98%
- No thermal insulation required
- Easy to install and maintenance-free

Compatibility

- Easy-to-install retrofit solution suitable for MWM®(CAT®)-TCG 2016 and TCG 2020 engines
- Suitable for all known OEM-versions



PowerUP Cylinder Head

suitable for MWM®(CAT®)-Engines



Description

- Our new cylinder head, suitable for MWM®(CAT®)-TBG 620, TCG 2016, and TCG 2020 engines, is designed to offer long service life and high reliability. At the same time, it is fully compatible and easy to retrofit.

Advantages

- PowerUP has developed high-performance valves, seat rings, and guides to minimize wear and maximize reliability and service life.
- An improved spark plug cooling concept has a positive effect on spark plug service life.
- Our two-piece spark plug and connector design improves safety and reduces service costs.
- The cylinder head is particularly easy to maintain thanks to the easily accessible thermocouple (no need to remove the valve cover).

Compatibility

- Plug-and-Play-Design, available for all MWM®(CAT®)-TBG 620, TCG 2016, and TCG 2020 engines and gas types
- Can be installed in combination with OEM cylinder heads



PowerUP Cylinder Head Overhaul suitable for MWM[®](CAT[®])-Engines



Description

- PowerUP offers all necessary spare parts as well as professional overhaul of MWM[®](CAT[®])-TBG 620, TCG2016 & TCG 2020 OEM cylinder heads.
- Our portfolio ranges from condition-based overhauls with maximum reuse of qualified parts to complete overhauls. This includes reworking all relevant surfaces, thorough cleaning, replacement of all wear parts with high-quality PowerUP premium parts, and painting.



Advantages

- Significantly reduced costs for cylinder head replacement
- PowerUP valves, seat rings, and valve guides of the highest quality

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About us

The global collaboration of our team enables us to bring our holistic solution portfolio to life for the benefit of our customers and partners. With our customized service offerings, our customers benefit from higher availability, performance, and efficiency.

Driven by efficiency