

Breathe Easy with the New Intelligent Desiccant Breather from Dodge® Industrial

Meet the OPTIFY™ Breather, the next-gen solution for remotely extending the life of your gearboxes.

SIMPSONVILLE, SC, UNITED STATES, October 7, 2024 /EINPresswire.com/ -- [Dodge Industrial, Inc.](https://www.dodgeindustrial.com), a leading manufacturer of innovative mechanical power transmission solutions for more than 145 years—recently announced the expansion of OPTIFY, their renowned Industrial Internet of Things (IIoT) solution for complete powertrain condition monitoring. The OPTIFY Breather, the premier intelligent desiccant breather, allows customers to tap into the power of the Dodge condition monitoring platform to remotely monitor breather status for extended gearbox life and streamlined maintenance.

Designed to maximize uptime and reduce total cost of ownership, the breather features advanced sensor technology, providing precise data measurements and key performance indicators (KPIs) such as breather life, rate of saturation, internal gearbox headspace temperature, battery life, and saturation direction.

The breather is compatible with the OPTIFY platform out of the box, allowing users to quickly review asset status, compare like-asset data, analyze historical trends, and more. System-generated alerts



OPTIFY™ Breather



OPTIFY™ Breather in use



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Artur Rdzanek

and alarms provide real-time notification of critical actions needed. With OPTIFY, users are equipped with powerful insight to maximize gearbox life and diagnose failure before it happens—saving valuable time and money.

Contamination, from solid particles and moisture alike, is the primary cause of gearbox failure—leading to oxidation, corrosion, and premature failure. These issues result in decreased performance and increased maintenance costs, as moisture degrades lubricant quality and the internal components of the gearbox.

The OPTIFY Breather directly tackles contamination with advanced polyester filters to capture dirt and dust as small as 3 microns and high-capacity silica gel beads to absorb water. The polyester filters significantly outperform standard gearbox cotton filters, which capture particles to a 40-micron absolute and fail to prevent most particulates from entering the gearbox. The high-capacity silica gel beads outperform traditional color-changing desiccant media for enhanced breather life. This dual approach effectively eliminates contamination and extends gearbox life, while its integration with the OPTIFY platform provides real-time monitoring and alerts—enhancing operational efficiency and reliability.

"This new OPTIFY Breather not only improves gearbox reliability but provides customers with a safe way to monitor their gearboxes—from the OPTIFY app versus visual inspection. Gearboxes are often located behind guarding in dangerous, difficult-to-access applications," says Artur Rdzanek, Director of IIoT Technologies and Services at Dodge. "Now, customers can breathe easy with real-time status reports and notifications for a safer on-site experience."

Discover how the OPTIFY Breather is your premier solution for enhancing gearbox reliability, extending gearbox life, boosting plant productivity, and streamlining maintenance. To learn more, visit info.dodgeindustrial.com/optify-breather today!

About Dodge Industrial, Inc.

Dodge Industrial, Inc. is a leading manufacturer of mounted bearings, enclosed gearing, and other power transmission components. For more than 145 years, Dodge products have helped manufacturers and end users alike in a broad range of industries increase the productivity and profitability of their operations. With in-depth knowledge of each industry's specific needs and challenges, Dodge provides innovative solutions and advanced technologies to maximize production output, decrease downtime, and enhance system value for their customers. For more information, visit dodgeindustrial.com.

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