



TODD TECHNOLOGIES INC

Major Steel Mill Finds TTI - Rebuildable Power Breathers Offer Servicing Ease and Greater Durability, Supporting Plant Reliability Goals



Roberto's Story

Roberto is a plant maintenance manager at a large Southeastern steel mill. He remembers his early days in his role when his duties included a very casual approach to evaluation of lubrication oil quality. Equipment failures were not uncommon. Unpredictable shutdowns were costly and disruptive. Significant capital funds were needed to address these unplanned equipment breakdowns and they hurt financial performance of the manufacturing operations. For many years, SE Mill looked for ways to better manage their critical equipment and reduce the frequency of breakdowns. Roberto has applied a more disciplined approach which includes TTI's line of Power Breathers.



Rebuildable Power Breathers TTI - Todd Technologies Inc

Product Overview

TTI's Rebuildable Power Breathers cover the broadest range of flow rates. In particular, the large series of re-buildable breathers has an operating range of up to 200 CFM with connection sizes of 2" and 3" NPT. In side-by-side comparisons against competing products, TTI gets favorable reviews. **TTI rebuild kits are compatible with Des-Case rebuildable breathers.**

Providing An Effective Reliability Program

Current practices in plant reliability apply a structured approach to the concept of "precision lubrication". It's based on improved understanding of how lubrication quality impacts machine reliability. One foundational element is the periodic analysis of lube oils and replenishment as necessary to provide a more economically optimized maintenance program. Another key element in support of plant reliability is contaminant control through the use of desiccant breathers to prevent entry of moisture and particulate into lubricant & hydraulic oils. Installed on gearboxes, storage tanks and other plant equipment, they absorb moisture vapor that would otherwise be drawn into the tank as the liquid level drops. By retaining particulate matter down to one micron in size, fine air-borne matter is kept out of the fluid that would otherwise cause abrasive wear on sliding surfaces.



"The rebuild kit from TTI is a more finished product and looks much better & cleaner than Des-Case. The stitching of the silica gel bags is more consistent than Des-Case."

These rebuild kits fit perfectly in the Des-Case breather housings. I was surprised at the high quality of the rebuild kits: from the quality of the product, to the packaging of the rebuild kits, one can tell they spent a great deal of time designing this product."

...Roberto C.,
Plant Maintenance Manager
steel manufacturing plant

"We really like the 304 stainless steel construction for our most aggressive environments. In addition, the interchangeability of the rebuild kits, extended life desiccant and the pricing create significant value compared to the Des-Case product line."

... Jimmy M.,
Maintenance Manager,
steel manufacturing plant

"That EZ-Load bullet from TTI has made my life easier. It's a challenge changing the bag in the other guy's units. It's just easier having the bullet guiding the replacement bag into the housing."

... Amber D.,
Maintenance Technician,
steel manufacturing plant

304 SS
Housing

304 SS Construction

priced below competitors carbon steel units. TTI believes carbon steel should be eliminated in high humidity environments.

Filter
Cartridge

20%

more **Microglass Media** equating to more dirt holding capacity.

Moisture
Holding

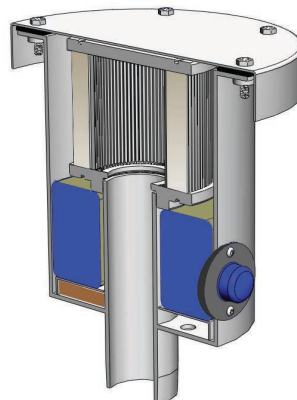
20%

more moisture holding capacity for the **Power Breather Gel** compared to competitors and proven in head-to-head trials.

TTI
Rebuild
Kits

Fully Compatible

with Des-Case rebuildable breathers.



TTI - Rebuildable Power

Breathers will deliver economic benefits to your operations. If your facility would like to benefit from savings to your maintenance budget and reduced likelihood of costly equipment failures, please contact **TTI - Todd Technologies Inc** today to learn about our wide range of rebuildable and disposable power breathers.

Maintenance
Budget

Less than 0.5%

of a plant's maintenance budget is spent purchasing lubricants, but the downstream effects of poor lubrication can impact as much as 30% of a plant's total maintenance costs each year.

... Findings of a major industry study

Oil
Contamination
Removal

It costs 10 times

more to remove oil contamination than it does to exclude it.

... Industry axiom



Applications

- Diesel Tank Storage
- Hydraulic Reservoir
- Bulk Storage
- Chemical & Harsh Environments

Typical Industries

- Manufacturing
- Chemical
- Pulp & Paper
- Storage Facilities
- Mining
- Power Plants
- Wind Energy



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