



## AIR SENTRY® - GUARDIAN® SERIES

Holcim – Mexico – Cement Ball Mill

**Location:** Orizaba Veracruz Mexico  
**Industry:** Concrete Company

**Product Recommendation:**  
 OilSafe's Desiccant Breather Line - Air Sentry. Air Sentry breathers set the standard for contamination control and have state-of-the-art features that reduce particulate and moisture contamination, keeping your equipment and fluids lasting longer. The Guardian Series integrates check valve technology in a desiccant breather and offers replacement cartridges, to significantly reduce maintenance costs.

### Company

- Holcim is a world leader in innovative and sustainable solutions for construction. Produces and markets cement, ready-mixed concrete, aggregates (gravel and sand), waterproofing, and other products and services of the highest quality for construction.

### Challenge

- Current desiccant breather required change out every 30 days.
- Lower the downtime for maintenance.
- Keep moisture and particulate contaminants out of their gear oil.

### Solution

- Upgraded the desiccant breather to Air Sentry Guardian desiccant breather.

### Results

- Change out of breathers went from every month to every 5 months.
- Holcim just replaces the silica gel cartridge.
- Reduction of 50% in the total maintenance expenditures for the desiccant breathers, without counting the operation uptime to make the change

### Equipment and Application

- Cement ball mill



## Results Analysis

### MONTHS

Cost Per Month (USD)	Breather	1	2	3	4	5	Total
\$293.75	Guardian	\$293.75	\$0	\$0	\$0	\$0	\$293.75
\$74.05	Des-Case	\$74.05	\$74.05	\$74.05	\$74.05	\$74.05	\$370.25

*Return on original investment in 4 months (74.05 x 4 = 296.20)*

Cost Per Month (USD)	Breather	6	7	8	9	10	Total
\$90.00	Guardian	\$90.00	\$0	\$0	\$0	\$0	\$383.75
\$74.05	Des-Case	\$74.05	\$74.05	\$74.05	\$74.05	\$74.05	\$740.50