

## Challenge

### Goal

Reduce plant's frequent bearing failures which were constantly stopping production. Electric motor reliability is critical in continuous automobile production.

### Root Cause

Frequent greasing to purge bearing contamination of equipment in this wash and pre-paint preparation plant was ineffective. The practice led to over-greasing of bearings. In addition, some areas were in hard-to-reach locations.



*Inconsistent re-lubrication was contributing to motor bearing failure.*

## Solution

### Product

- Install a **Lubri-Cup™ VG Mini Automatic Greaser Dispenser** to apply **Chesterton 630 SXCF**, a synthetic, high-load, corrosion-resistant grease on each electric motor bearing
- Based on bearing size and speed, the **Lubri-Cup** was set for 6 months. It applies the correct amount of grease at the necessary intervals
- 300 electric motors were converted to this Chesterton solution throughout the plant



*Chesterton's electric motor reliability solution was installed.*

## Results

### Savings & Improved Bearing Reliability

- Resulted in a 75% reduction in electric motor failures on the pre-paint production line
- Dramatically increased productivity
- Reduced significant repair costs
- Reduced labor costs by eliminating manual lubrication



*Solution reduced electric motor failure in this area of the plant by 75%.*