

Improved rust protection and elimination of foam for cast iron parts

Situation

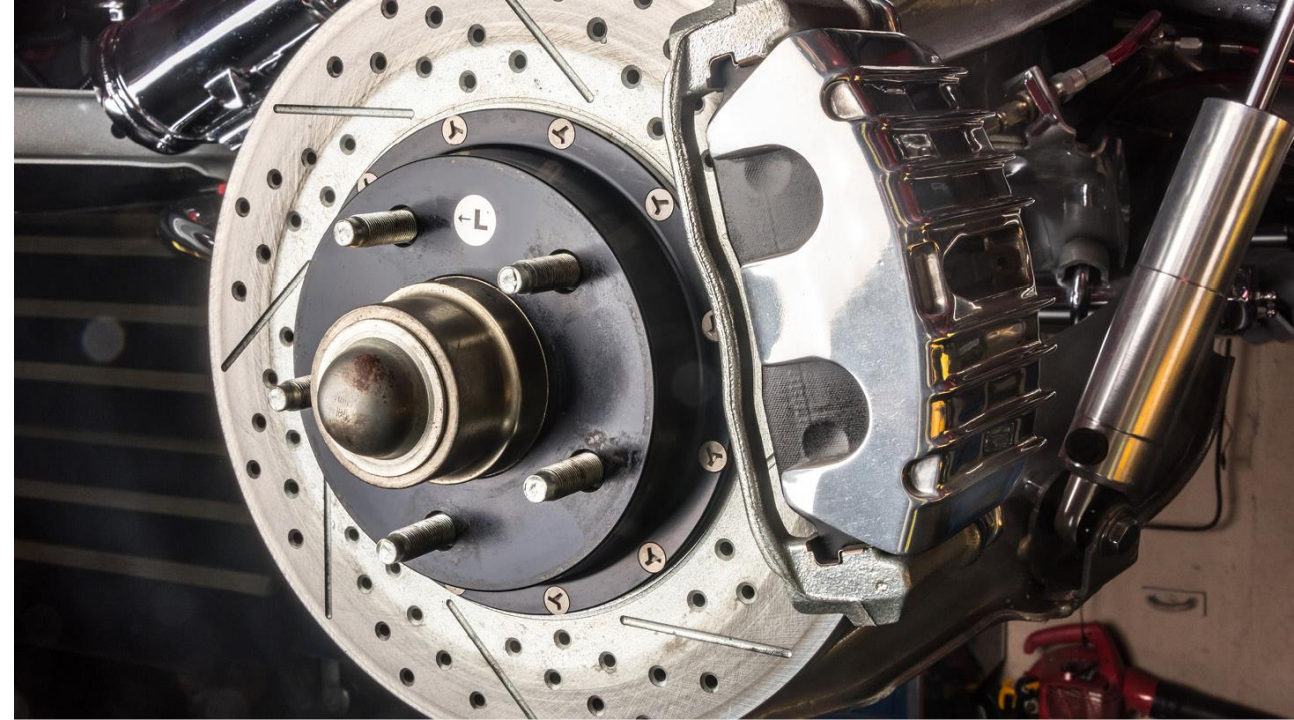
A large Southern US commercial wheel manufacturer was experiencing foaming and residue issues when using an alkaline cleaner to provide rust protection with cast iron rotor and drum brake components. Excessive foaming led to slowed production and a white residual film upon drying required an additional manufacturing step to clean and prepare parts for installation.

Solution

The Castrol® team examined the parts, process, and packaging to determine that Rustilo® 4175 was the right solution. The additives in the current fluid caused excessive foam. By switching to the Castrol water-soluble rust inhibitor, production delays were greatly reduced.

Outcome

In addition to improved rust prevention, Rustilo 4175 eliminated the foaming during wash cycle and residual white film issues were eliminated. The Castrol fluid was able to provide adequate cleaning to meet the customer's standards, requiring no additional steps or wash cycle.



Savings

- Increased rust protection up to 9 months
- Increased productivity with fewer interventions and elimination of extra wash step