



CaseStudy

The Challenge: Reduce chemical usage and waste disposal

Castrol Iloform TRS 185 In Welded Tube Mill

\$73,500 Annual Cost Savings

The Electro-Resistance Welded (ERW) pipe mill required regular changeouts on its 75,000-gallon central coolant system and additions of tankside additives to control bacteria.

Castrol Iloform TRS 185 generated \$73,500 annually through longer sump life, lower chemical waste, and greater bio-resistance.

Before:

- Company Q coolant
- Regular changeout of central system (3 days of downtime)
- Bacteria problems
- Regular biocide additions
- High make-up rate

After:

- Castrol Iloform TRS 185 synthetic coolant
- Extended life of coolant (\$60,000 savings)
- Highly bio-resistant
- Eliminated need for biocides and other additives (\$7,500 savings)
- Lower make-up rate (\$6,000 savings)

Result: Castrol Iloform TRS 185 eliminated biological concerns to extend fluid sump life and reduce maintenance & waste disposal costs.

The fully synthetic, oil-rejecting nature of Castrol Iloform TRS 185 prevents build-up of oil and scale in the system, providing exceptional bacteria control and sump life.



The high performance, synthetic nature of Iloform TRS 185 reduced coolant usage, coolant waste, and unnecessary downtime, generating a truly exceptional value for the customer. The customer believes highly in Castrol's products and services, attributing them as part of the reason the mill is so successful.

Recommendations: Conversion to a synthetic fluid containing no oil allowed the mill to extend changeout frequency and significantly reduce waste disposal costs. Hazardous chemicals, such as Kathon, are no longer needed. Iloform TRS 185 drops the scale fines rapidly, allowing scale to collect in the flumes instead of the sump which makes cleaning the mill much easier.

Customer testimony: "We have been using Castrol Iloform TRS 185 at a concentration of 6% for the mill and 4.5% for the hydro-testers. The product is extremely friendly to the environment and safe for our employees. There are no odors or bacterial side effects".

Castrol Iloform TRS 185 synthetic forming fluid reduces mill scale build-up, readily separates from tramp oil, and exhibits superior resistance to microbial attack, making it an ideal, low maintenance tube mill coolant.

Segment: Metals

Sub-Segment: Tube Mills

