

# METALS (USA)

## TUBE MILLS

### Castrol Iloform® TRS 185

## Castrol chosen over 4 companies for new mill



### THE SITUATION

A large mid-west tube mill was installing a new line in an existing plant. They were in need of a tube mill coolant that would provide long term corrosion protection to tubes that only had coolant as the corrosion inhibitor. In addition to this, they would evaluate a number of other parameters to choose the best coolant among 5 fluid suppliers, including Castrol.

### BEFORE CASTROL

- This was a new tube mill system and the customer was searching for the best coolant option.

### AFTER CASTROL

- Castrol Iloform TRS 185 was chosen out of 5 competitive coolants for the new tube mill system.
- Iloform TRS 185 is a full synthetic coolant with exceptional corrosion protection, foam control, and tramp oil rejection.

### THE SOLUTION

- Castrol Iloform TRS 185 was chosen, because it provided the best corrosion protection to tubing.
- The customer ran cast iron chip testing on concentrations that were 50% lower than recommended for the operation. Iloform TRS 185 rated best in this testing.
- Humidity cabinet testing was performed on tube sections that were soaked in the tube mill coolant at recommended concentration. Iloform TRS 185 rated best in this testing.
- In addition to having the best results in the lab testing, the customer chose Castrol Iloform TRS 185, since they had been using Castrol fluids successfully for many years in their plants.

Castrol Iloform TRS 185 provides superior corrosion protection over competitive tube mill coolants.

## RECOMMENDATIONS

Castrol Iloform TRS 185 was chosen for testing after in depth discussions with the customer on their needs. The account manager and application engineer determined the best fluid for this application.

## OFFER DETAILS

Castrol Iloform TRS 185 was chosen, because it provides the best corrosion protection of tube mill coolants. It provides a dry film protection to the tube surface and is low foaming and clean running in tube mill systems.

## CONCLUSION

The tube mill customer charged the new system with Castrol Iloform TRS 185 and has run trouble-free ever since.



## OTHER POTENTIAL APPLICATIONS

Iloform TRS 185 is an excellent choice for tube mills that run ferrous metals. It can also be used in light duty cutting operations.