

Foundry:

High Volume Iron Foundry
Tennessee, USA

Objective:

- Improved life
- Reduced labor time and costs
- Reduced downtime

Alloy:

Ductile Iron

Cupola Information:

- 130"/3.3m lined, hot blast cupola
- Oxygen tuyere injection
- Capacity 80-100 tons / hour

Treatment Ladle:

- 16-ton dwell ladle for desulfurization
- Ladle purged with Nitrogen with CaO/CaF₂ introduced into the inlet stream
- Launder used to divert iron from Cupola to Dwell Ladle

Previous Practice:

- Launder lined with Low-Cement castable with SiC+C ~21%
- Lifetime was approx. 3 days (intermittent use)

Improvements:

- Installation followed by rapid dryout
- Launder life increased to ~6 days
- Launder may be cleaned and reused

FOSECO PRODUCTS

- + TRIAD Z-189 Castable
- + VESBOND 4000 Binder

KEY BENEFITS TRIAD Z-189

- + Quick wet out and mixing
- + Excellent Flow
- + Rapid dryout
- + Long Life



Launder Ready for Use



Launder Dryout



Launder in Use

MELT SHOP REFRACTORIES – FERROUS FOUNDRY



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