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Macawber Installation Case Study:

Chromite Foundry Sand - Granite City, IL

IN BRIEF

This project is interesting because it demonstrates some of the extraordinary service Macawber can perform in addition to plant/capital equipment in a project. The customer came to us having been a previous customer in the mid 80s. The customer performs foundry sand reclaiming for resale use in more foundry molds. A few years ago, they switched to chromite sand and were interested in updating our equipment they purchased 20 years before. So, they requested a refurbishment service from us at the time of an additional equipment order of 5 systems. After putting a game plan together, we tackled the refurbishment on-site at their factory. The results have been 2 like-new systems plus the additional 5 brand new. Our field service team spent one week on-site ensuring the quality standard we require was met in this unconventional service offering we delivered. It goes to show that we sport the flexibility of a small company, with the flare of a larger international organization that sees our field-tech personnel travel world-wide.

MATERIAL CHARACTERISTICS

Material Chromite Sand
Bulk Density 100-160 lbs./cu.ft.

Size 70% silica / 30% chromite, 100%<0.25in.

Temperature Up to 400°F

Moisture Content Dry

Condition Free Flowing

SYSTEM OBJECTIVES

- 1. Refurbish mothballed systems to like-new with updated controls
- 2. Outfit additional processes with similar systems
- 3. Ensure system performance with new untested material

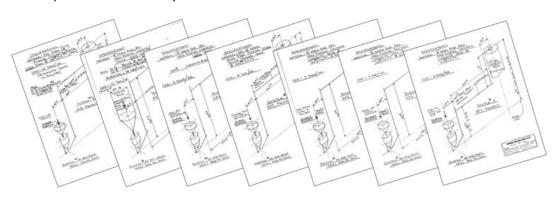
SYSTEM PERFORMANCE

Transfer Capacity Max 12 t/h
Conveying Distance 124 ft.
Reception Points 1 each
Air Consumption Max 120 cfm

IMPROVEMENTS ACHIEVED

- 1. Ability to adapt to new material seamlessly
- 2. On-site service to perform extensive system re-build





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