



34400 Mound Rd, Sterling Heights, MI 48310

Corrosion Prevention Material Case History

Corrosion Repair and Protection: Industrial Floor Scrubber Deck

DATE: December 2013

PROBLEM: The 32" Floor Scrubber Deck was used in an environment of corrosive chemicals and detergents while being used for floor cleaning, and required refurbishment. This exposure to high alkaline solutions was breaking down existing coatings, leading to severe corrosion of the ferrous metal deck, electric motor housing, and attachment points that provide structural integrity for the deck assembly.

Deck w/Attachment Points "Before"



Lower Deck Brush Areas "Before"



Electrical Motor Housing "Before"



APPLICATION: The severe corrosion and failed coatings were removed with various power and hand tools. Once proper surface preparation was achieved, a rust converter coating was applied, followed by another primer to act as a barrier coating. Once those were completely cured, a final topcoat was applied forming a tough protective barrier for protection in harsh conditions.

Deck w/Attachment Points "After"



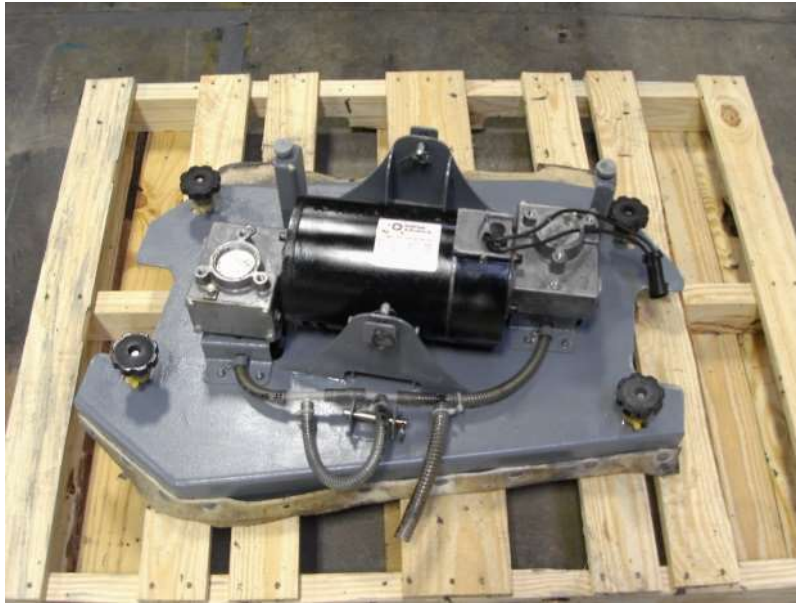
Lower Deck Brush Areas "After"



Electrical Motor Housing "After"



Finished Product "Reassembled"



SOLUTION: The C2T corrosion abatement was much less expensive than component replacement. The Scrubber Deck Assembly was transformed from a corroded 5-year-old deck into a corrosion-free, protected piece of industrial equipment. These enhancements will add to the usefulness and durability of the Scrubber Deck assembly while extending its service life.

For inquiries regarding our Corrosion Control Team (C2T) services, call:

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