

Product Case History



LOCATION:

WEST MONROSE, ON

DATE OF APPLICATION:

MAY 2013

MARKET:

TRANSPORTATION

SUBSTRATE:

STEEL

SURFACE PREP:

CLEAN & DRY

EXPOSURE:

MANURE ACIDS, UV EXPOSURE,
FREQ. WET W/FRESH WATER;
CONDENSATE, SPLASH OR SPRAY

Jembrook Welding

PRODUCT(S) USED:

Exterior Coating 1: Phenoline 353

Exterior Coating 2: Carboguard 8922

Exterior Coating 3: Carbothane 8845

AREA COATED:

Steel tank wagons are used for transporting and hauling manure. There are a number of factors that contribute to creating an extremely aggressive environment in both the interior and exterior of these tanks, so coatings protection is imperative. Acids found in the manure can degrade the interior steel tank lining, and UV, weather conditions and thermal contraction and expansion of the tank can also magnify the deterioration of the internal and external surfaces.



Jembrook Welding

COATING SELECTION EXPLANATION:

Phenoline 353 was applied to the interior of the steel tank wagon. This highly cross-linked epoxy lining has extraordinary overall chemical resistance and versatility. It has a unique blend of resins that make it highly resistant to a variety of aggressive cargos. It can be used in both acidic and high temperature caustic exposures.

The exterior of the tank was coated with Carboguard 8922 and Carbothane 8845, in both “Jembrook Red” and “Nuhn Yellow”. Carboguard 8922 is a versatile corrosion resistant coating with surface tolerant properties. Carbothane 8845 is a fast dry, high solids, low VOC, high gloss, high build, two component polyurethane coating. It exhibits outstanding hardness, adhesion and resistance to: impact, marring, abrasion, chemicals and staining.

For more information on Carboline’s Coatings and Linings Systems, please contact your local Coating Specialist at 1-800-263-3112.