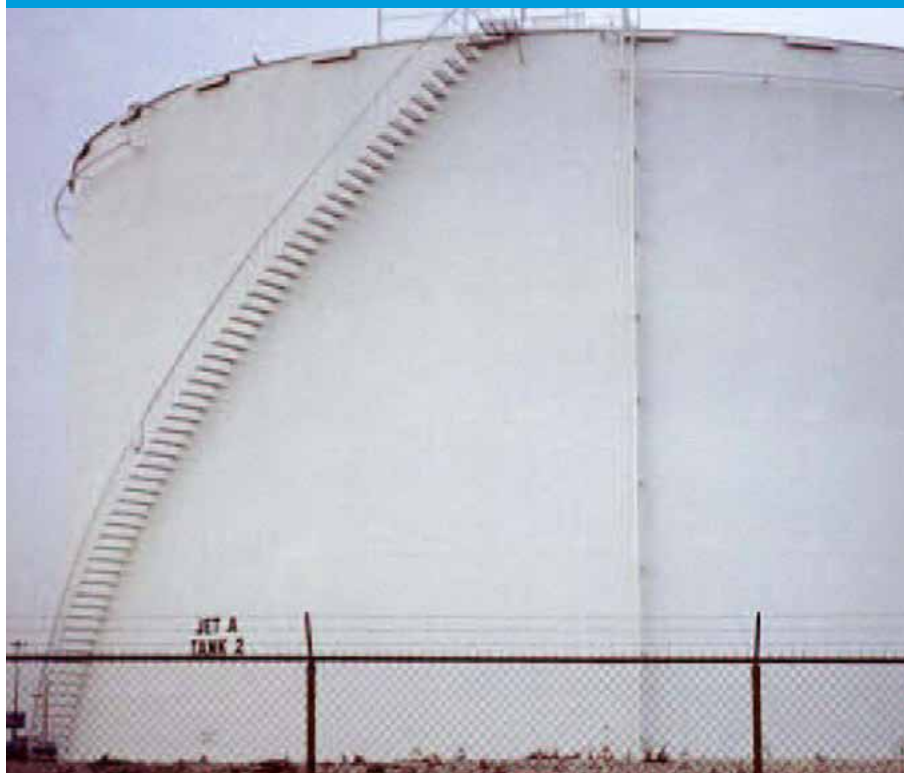


# Product Case History

**LOCATION:**

TORONTO, ON

**DATE OF APPLICATION:**

1998

**MARKET:**

OIL & GAS

**SUBSTRATE:**

STEEL

**SURFACE PREP:**

CLEAN & DRY

**EXPOSURE:**

AVIATION FUEL

**SURFACE PREP:**

SSPC SP 5 BLAST

## Trans-Northern Pipelines

**PRODUCT(S) USED:**

- Exterior Coating 1: Rustbond Penetrating Sealer
- Exterior Coating 2: Carboline 3359
- Exterior Coating 3: Semstone 145S (Now Plasguard 4500S)

**AREA COATED:**

In 1997 Trans-Northern Pipelines Inc. wanted to repaint some aviation fuel storage tanks at Pearson International Airport in Toronto. The tanks, which were showing signs of rusting, had previously been painted with a chlorinated rubber system. Chlorinated rubber was specified for the repaint but was no longer available due to their being environmentally unacceptable. Carboline was approached to make a recommendation for an appropriate coating system.



# Trans-Northern Pipelines

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## COATING SELECTION EXPLANATION:

The proximity to several parking lots as well as Highway 409 precluded the use of sandblasting or any type of spray application due to the problems of dust and over spray. It was therefore decided to base the specification upon the use of a high-pressure water blast and a roller-applied coating system. The system specified by Carboline consisted of a coat of Carboline Rustbond Penetrating Sealer applied to a film thickness of one to two mils followed by two coats of Carboline 3359 to a final film thickness of three mils. Although 3359 can be sprayed applied at up to three mils dry per coat, this is not possible if the coating is rolled, hence the use of two coats.

The installation on the tanks was very successful and the attached piping and pumps were also coated in the same manner.