



## PROJECT PROFILE

*Gasoline leaks eliminated with Thiokol sealant, extending life of rivet tanks while reducing maintenance time, costs*



### CUSTOMER

**Esso Petrolera Argentina SRL**  
*Campana, Argentina (a division of ExxonMobil)*

### PROJECT TEAM

Esso Petrolera Argentina  
• *Adrian Azpilicueta, Project Construction & Execution Manager*  
• *Oscar D'Ottavio, Mechanical Services Manager*

### PROJECT OVERVIEW

Esso Petrolera Argentina SRL, a refinery located 70 km north of Buenos Aires, serves Argentina and Latin American countries. Crude and petrochemical products are stored in tanks of varying sizes. Over time, leaks develop at the rivet joint of some of these tanks.

### KEY CONSIDERATIONS

**Performance:** Starting in 1999, Esso has tested and applied several Thiokol products, solving a variety of plant issues. For Esso rivet tanks, various manufacturers' products were extensively reviewed and tested in attempt to correct the leaks. Only Thiokol® 2282, a high performance, chemical resistant, flexible joint sealant, met Esso's operation criteria: 100 % efficiency in eliminating the leaks. As a result, Esso has included this product in their standard maintenance procedure.

**Reliability:** To date, several smaller tanks and the recently completed Tank #5 (the fourth at a size of 10,000 m<sup>3</sup>) have been treated with Thiokol® 2282. This product is specially formulated for excellent resistance to chemicals, shrinkage, aging, thermal stress and the effects of outdoor exposure. With each application, leaks have been completely eliminated. This simple solution extended the life of Esso's existing rivet tanks, while reducing the required plant maintenance investments and boosting productivity.

### SYSTEM PRODUCTS

- **Thiokol® 2282**  
Industrial Polysulfide Joint Sealant, Flexible

*Thiokol is a registered trademark of Toray Fine Chemical Co. Ltd.*