

Corrosion Resistant PHE for Recycling Application

Tranter International AB has supplied plate heat exchanger (PHE) equipment to CATALANA DE TRACTAMENT D'OLIS RESIDUALS S.A. a company that specializes in the integral management of used oil. The application is a particularly testing one given that the refining of waste oil involves treatment with a potassium hydroxide at high temperature. The PHE unit is manufactured from Hastelloy C276 to resist corrosive effects.

The PHE is a Tranter Supermax SM-07-H-06-HS-76 unit designed to withstand the aggressive medium which has to be cooled from temperatures in excess of 200 degrees Celsius to 120 degrees. The previous installation had used Inconel as a material but the new unit has proved much more suitable for this application.

CATOR (Group GBI Serveis) was established in July 1993 and is a concessionary operation of the public service of the Generalitat de Catalunya charged with the integral management of waste oil. It provides a collection service for all garages and industries in Catalonia and recycles all types of used oil products.

