

STAINLESS STEEL CHEMICAL TANK TRAILERS

MATERIAL :
[Acero Inoxidable dúplex 2205](#)
Fabricado y suministrado por NAS
[NORTH AMERICAN STAINLESS](#)
FUENTE / SOURCE :
www.northamericanstainless.com

Transport of chemical products by road requires the use of specialized equipment in the form of tank trailers, that meet strict criteria regarding safety. A “chemical tank trailer” is a type of trailer used to transport a variety of acidic, toxic or corrosive liquid products. In the U.S., chemical tank trailers have to meet government D.O.T.’s regulations TC-407/ DOT-407 and /or TC-412/ DOT-412. Trailers that meet DOT 407 specifications are designed to transport non-corrosive chemicals including food grade products while trailers that meet DOT 412 specifications are designed to handle corrosive materials and as such, the requirements outlined are stricter in order to minimize the risk to safety and environmental risks associated with the transport of hazardous substances.

Most chemical tank trailers have a capacity that will range from 4,000 to 5,500 gallons and a typical GCWR of 80,000 Lbs. Most of these types of

tanks are manufactured from stainless steel and many are lined on the inside with rubber or fiber glass in accordance with product requirements and customer specifications.

Industries that use chemical tank trailers include chemical, pharmaceutical manufacturing, agricultural as well as petroleum products. According to GlobeNewswire’s “Bulk Liquid Global Market Report 2023” , the market for bulk liquids, of which transport of corrosive liquids is a specialized segment, will grow from \$55.35 billion in 2022 to \$59.44 billion in 2023. The companies involved in the manufacturing of chemical tank trailers are keeping up with the demand for transportation of these types of chemicals.

In order to be successful in this industry, manufacturers of tank trailers have to meet to basic requirements from their customers, the freight companies. The first requirement is to fabricate a product using the material that will meet the criteria for the safety regulations specified earlier, as mentioned before, stainless steel is the best



option in order to guarantee the best corrosion resistance as well as good mechanical properties. The second main requirement from the freight companies’ point of view is the fabrication with materials that will ensure a long product life as well as less overall maintenance. As the saying goes, “time is money” and the less time a chemical tanker is undergoing maintenance the more it can be on the road. Once more, stainless steel is the best option to meet this requirement.

“Wabash”, a major fabricator of tank trailers provides the transport industry with a number of options for transportation of liquids including chemical tank trailers. With a full line of stainless steel tank trailers that feature the longest asset life as well as a high residual value in the industry, Wabash is committed to safeguarding the environment as well as the health of consumers with the fabrication of their high end tankers.

Wabash manufactures many chemical tank trailers using NAS Duplex grade 2205 in gauges 10, 12 and 14, to ensure the best corrosion resistance for materials exposed to high corrosive environments. The use of Duplex grade 2205 ensures a life span of up to 30 years on the road with lower maintenance requirements. The tanks can be manufactured with a sophisticated heat system allowing precise temperature control that ensures the integrity of the contents. They also include a number of safety features and are fully customizable per customer requirements.

