

## CASE STUDY

### CONTACT

Roger Roby  
Director of Engineering

engineering@bnsflogistics.com  
+1-817-722-5486  
www.bnsflogistics.com

3200 Olympus Blvd, Suite 200  
Dallas, Texas 75019

## Mammoth Oversized Rail Load Shipped Internationally Via Rail

### Company Profile

A large engineering and project management company with a presence in over 80 countries in the gases, technologies, and services for the Industry and Health sectors.

### Business Challenge

The customer was looking for an economically feasible way to transport two very large vessels from Duluth, MN to Red Deer Alberta, Canada. These vessels were some of the largest commodities ever shipped by rail in North America. Added concerns of size and weight made this transportation project complex.

### Solution

BNSF Logistics provided an engineered securement that allowed for a combination of shipments with multiple customers. Continuous project coordination was maintained across all parties including BNSF and Canadian Pacific Railway. Continuous communication, verification of results, and innovative problem solving were combined to develop and implement a practical solution.

### Process/Procedure

Understanding the logistics challenges and communicating clearly to the customer were paramount for project success.

- Developed securement design that included bolster plates to satisfy AAR Open Top Loading Rule requirements
- Designed and built an idler car to allow for the transport of the largest vessel to satisfy axle load spacing constraints
- Pre-inspected all railcars for defects/issues that may have delayed the project
- Performed an initial laser scan survey of all vessels to record actual profiles and areas of concern
- Worked with all parties both on and off site to successfully coordinate solutions
- Performed final inspection and laser scan survey

By providing seamless planning, engineering, and communication, BNSF Logistics delivered the vessels to their final destination on time, on budget, and without incident.

### Benefits Achieved

- Delivered commodities without incident as planned
- Increased efficiency by combining multiple projects into one transport shipment

