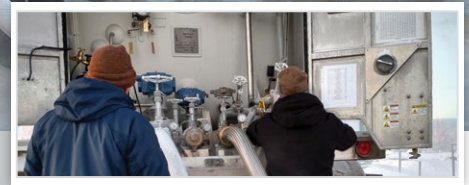
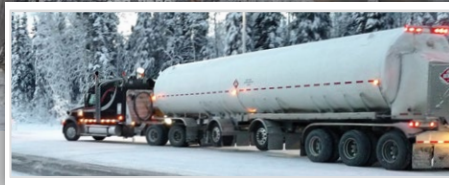




CRYOGENICS

LIQUEFIED NATURAL GAS (LNG) SEMI-TRAILER



BUILT ALASKA TOUGH

We didn't invent the cryogenics trailer. We just made it better and bigger – up to 30 percent bigger – over existing trailers. Built specifically for the Alaskan market, our five-axle trailer is designed with the industry's largest LNG tank trailer to transport as much liquefied gas as allowed by state regulations. The double-walled steel tank is equipped to hold up to 13,000 gallons – an increase from the standard 9,500 gallon tanks – providing you a more reliable, economical and efficient way to transport gas through the demanding, rugged Alaskan terrain.

SOLUTIONS-DRIVEN.

VESSEL CAPACITY

Capable of up to 13,000 gallons net* payload for 109,000 lbs. legal gross combination weight without permit

MAXIMUM EFFICIENCY

Up to 30% more product delivered per unit, per trip

REGION-SPECIFIC ENGINEERING

Alaska extreme super-heavy duty

SOLUTIONS-DRIVEN

- Comprehensive product for varying capacities and commodities
- Region- and load-specific engineering
- Customer collaboration in design
- Comprehensive dealer network
- Personal, responsive sales and technical support
- Industry's largest service network with certified and authorized service centers

INDUSTRY LEADERSHIP

- Lean manufacturing
- Triple ISO-Certified Safety/Quality/Environmental Responsibility
- Exclusive master welder certification school
- Operator safety training

ENDURING PERFORMANCE

- Superior quality components
- Driver-friendly design/ease of use
- Low tare weights for max payloads
- Liquid testing of all tanks
- Long-term durability
- Premium resale value

*Depending on density



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The safe and efficient transport of your product is just part of the equation. Solving the rest is where Heil Trailer stands above the competition. Heil Trailer's Cryogenics trailer brings Heil Trailer standards for performance and efficiency together with a range of options and expert engineering, premium built to the most stringent specifications – yours.

THIS IS WHAT IT MEANS TO BE SOLUTIONS-DRIVEN.

SPECIFICATIONS	
Trailer Layout	5-axle Alaska heavy-haul layout.
Construction Material - Inner Vessel	304 cryogenic grade stainless steel.
Construction Material - Outer Vessel	High-strength carbon steel.
Design/Construction Code(s)	DOT MC338, ASME BPVC Section VIII.
Shell Full Water Capacity	15,000 gallons.
Maximum Absolute Working Pressure	70 psi.
Design Temperature Range	-320° F to 120° F.
Insulation System	Vacuum with multilayer superinsulation.
Baffles	Welded, 304 stainless steel, dished baffles with top and bottom drain openings and center manway.
Rated Hold Time	1,000 hours minimum from 5 psi to MAWP.
Pressure Relief Circuit	Dual primary/secondary pressure relief circuits with selector valve, conforming to CGA S1.2 requirements.
Vapor Recovery	Ø1.5 in. vapor recovery line with Ø1.5 in. Bestobell globe valve and CGA 300, 3 in. connection.
Bottom Fill Circuit	Ø3 in bottom fill line with Ø3 in. Habonim fire safe, pneumatically actuated ball valve, Ø3 in. Bestobell manual globe valve, and CGA 300, 3 in. connection.
Top Fill Circuit	Ø1.5 in. top fill line with Ø1.5 in. Habonim fire safe, pneumatically actuated ball valve, Ø1.5 in. Bestobell manual globe valve, and CGA 300, 3 in. connection.
Pressure Building Unit	Fin tube style pressure building unit mounted at rear above fenders, fully enclosed in protective, aluminum cabinets with lift open access doors.
Discharge Controls	Pneumatic control box located inside rear piping cabinet. Emergency shut-off valves located in rear piping cabinet; rear, curbside above fender; and front, streetside above fender.
Fenders	Aluminum contour fenders with full width anti-sail/anti-spray splash guards at rear of front fenders, front and rear of tridem fenders, and rear of lift axle fenders.
Piping Cabinet	Heavy-duty welded steel angle frame with bolt-on sides and stainless steel doors with container-style rod latch.
Tire Carrier	Customer specified
Hose Carrier	Customer specified
Landing Legs	Jost model A440, 2-speed, sealed gearbox with Arctic-grade grease, 70,000 lbs. rated lift capacity with 10 in. x 12 in. Sand shoes and streetside crank.
Subframes	High-strength carbon steel. Galvanized finish.
Bumper	Aluminum FMVSS-223 compliant bumper.
Suspension	Hendrickson AAT25K air ride suspension for rear tridem. 2X Hendrickson SCW13 liftable/steerable axles with 13,000 lbs. capacity and manual, in-cab lifting control capabilities.
Brake System	Wabco 4S/2M ABS extended service drum brake system. Arctic-grade brake hoses throughout.
Lighting	Truck-Lite LED grommet-mount system complying with FMVSS minimum requirements. "Alaska style" high-mounted light bar with supplemental stop/turn/tail lights.
Pneumatic System	Multi-tank pneumatic system with quick release gladhands. Arctic-grade air tubing throughout.
Standard Accessories	Manual airbag dump-valve standard. 20# Sentry BC class fire extinguisher standard in fully enclosed, aluminum storage cabinet.
Paint	Hempel marine-grade corrosion-resistant coating on barrel. DuPont Imron 5000 series gray on steel axle components and landing legs.