LNG - basics of liquefied natural gas

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Liquified Natural Gas: Properties, Uses, Origin, Composition, LNG Process

Smaller quantities of LNG are transported in specially designed trucks and railcars. LNG is returned to a gaseous state at LNG import and regasification terminals around the world.

LNG: Basics of Liquefied Natural Gas

However, when the LNG is to be used directly in trucks, it has to be transported via special LNG trailers to the inland refueling sites. McMullen et al, 2002 As long as the LNG vapor is allowed to leave the storage tank, the temperature will remain constant. How LNG is produced To create LNG, natural gas is cooled to a liquid state which shrinks its volume dramatically and allows it to be transported easily.

LNG Information Papers

As a result, the water leaving the bed can be removed by the regeneration gas.

Liquified Natural Gas: Properties, Uses, Origin, Composition, LNG Process

Construction of large facilities takes years to complete and costs billions of dollars. Natural gas is a vital energy source for the U.

Liquefied Natural Gas Process

One reason why heavy duty vehicle owners prefer LNG is the fact that it takes up less storage space than other types of fuels. Kroon, 2009 Most LNG in the world is transported via ships equipped with special cryogenic tanks. The residue gas is compressed by the regeneration gas compressor, flows through the bypass valve to the regeneration gas heater, and is heated to about 300°C.

LNG Basics

Multistage refrigeration processes are used to enhance the efficiency of the process.

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