



The Titanic Exhibition

A Chilling Tribute to Titanic's Legacy

In a powerful tribute to one of the most iconic moments in maritime history, the Titanic Exhibition recreated the infamous iceberg that sealed the fate of the Titanic. But this was no ordinary ice sculpture, it was engineered to last, stay authentic, and give visitors a chilling, real-world experience. The exhibition has traveled all over the world for a long time and is now for a stop in Seattle, Washington. At the heart of this stunning installation is CRANE Temper-40, our high-performance heat transfer fluid



How does it work?

The installation uses an indirect refrigeration system, consisting of two separate circuits. The primary circuit contains the refrigerants (such as ammonia, CO₂, propane, etc.), which cools a secondary fluid, CRANE Temper. This secondary fluid then circulates through the system to deliver cooling where it is needed.



Cool feeling

To replicate the conditions of that fateful night, a realistic iceberg wall was created with a frozen surface layer that visitors could actually touch. Designed to remain solid throughout the exhibition's duration, the installation required a freezing system both powerful and consistent. That's where CRANE Temper came in. From industrial systems to immersive exhibitions, CRANE Temper adapts to your needs, wherever efficient cooling is required



The iceberg including cooling was constructed by the Swedish refrigeration company Rydell & Lembke.

The iceberg

Operating at a temperature of -24°C, the system uses CRANE Temper-40, ensuring optimal performance and safety even in extreme conditions. The result? A stable, reliable cooling environment that keeps the ice frozen, interactive, and photorealistic for thousands of guests - day after day.

CRANE Temper – the ideal heat transfer fluid

The secret behind CRANE Temper's excellent fluid and environmental properties lies in the optimal mix of organic salts giving it its very low viscosity. This in turn reduces the overall energy consumption and makes it ideal for industrial refrigeration and food industry. The fluid contains an advanced organic adsorption inhibitor package to ensure an optimal corrosion protection.

CRANE Temper is colorless to yellowish and it is free from nitrites, borates, phosphates, molybdates and silicates. To ensure the high quality of the product, CRANE Temper is always supplied ready-to-use and is available in seven different versions with freezing points from -10 °C to -60 °C.