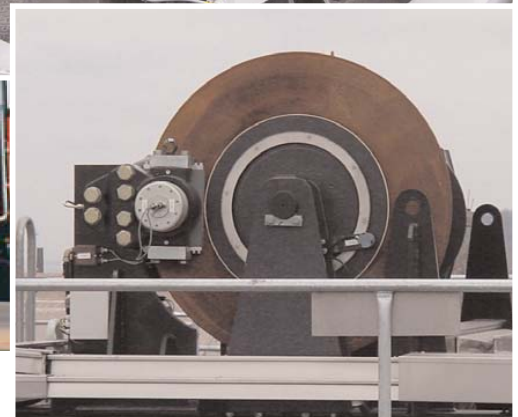
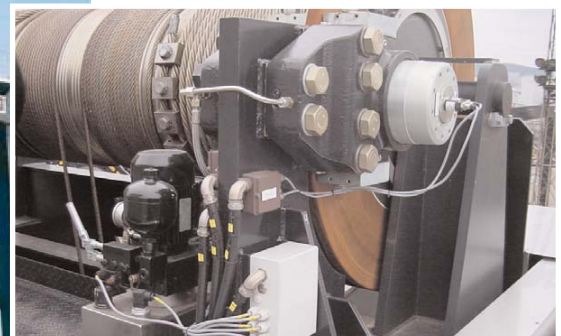


Crane Reference

Finland



SCOPE

Svendborg Brakes has been awarded an order for braking systems on 10 new rubber tire gantry cranes for a port in the USA. Each of the 10 RTG cranes are equipped with two braking systems, one on each drum, consisting of a total delivery of 20 fail-safe disc brakes and 20 hydraulic power units.

The brakes are spring applied hydraulically released failsafe disc brakes, premounted on a custom made bracket with a special hydraulic power unit.

Delivery time and safety were very important features for this project and Svendborg Brakes managed to supply the complete supply after only 6 weeks from receiving the order.

The hydraulic disc brake, a BSFI 531-S-101, is being used for this project and has a clamping force of 310.000 newtons.

The brake demonstrates many advantages, namely its compact design, large clamping force, and large brake pad area, reduced loss of spring force, easy maintenance and high safety. It is equipped with steel brushes, in order to prevent and remove incidental corrosion on the brake disc.

The hydraulic power unit and brake bracket were painted with a durable off shore paint and the hydraulic oil tank is made of stainless steel to protect against the harsh and salty environment.

The power unit is designed with double dump valves ensuring a safe and reliable brake function. In the event of power failure the brakes can be opened manually with an integrated hand pump and the quick start function built into the PU allows the brakes to be released very quickly.