

**CUSTOMER**

Hydramarine AS, Norway

END USER

Anchor handling tug supply (AHTS) ship

APPLICATION

The customer was looking for brakes for two crane winches with lifting capacity of 33.5 tonnes (36.8 st) and 51.5 tonnes (56.6 st) respectively. Due to the limited installation space, the customer chose Dellner's SKP 220-273 SA single acting brake calipers to act as both parking and emergency brakes for the winches.

TECHNICAL DATA

The 33.5 tonne (36.8 st) winch is equipped with two Dellner Brakes spring applied, hydraulically released SKP 220-273 SA brakes. The failsafe brakes are used on drum flanges with a diameter of $\varnothing 3,010$ mm (118.5 in). The weight of the bare winch drum is 9.5 tonnes (10.4 st) and the wire weighs 12 tonnes (13.2 st), resulting in a total weight of the winch of 21.5 tonnes (23.6 st). The total brake torque for this installation is 752 kNm (556,000 lb ft).

The 51.5 tonnes (56.6 st) winch is equipped with four Dellner Brakes spring applied, hydraulically released SKP 220-273 SA brakes. The failsafe brakes are used on drum flanges with a diameter of $\varnothing 3,930$ mm (154.75 in). The weight of the bare winch drum is 18 tonnes (19.8 st) and the wire weighs 24 tonnes (26.4 st), resulting in a total weight of the winch of 42 tonnes (46.2 st). The total brake torque of this installation is 2,007 kNm (1,485,000 lb ft).