



END CUSTOMER

The Swedish Coastguard

BACKGROUND

Two multi-purpose vessels were built in 2001 by Kockums Karlskrona in Sweden for the Swedish Coastguard. Each vessel has two propeller shafts powered by two 2,750 kW (3,690 hp) diesel engines.

APPLICATION

Each propeller shaft is equipped with a Dellner SKD 2x100 hydraulic pressure applied disc brake operating on a $\varnothing 750$ mm (29.5 in) brake disc which provides a brake torque of 28,400 Nm (20,950 lbf ft).

The primary function of the brake is to hold one of the propeller shafts during maintenance while the other propeller is still operational. The pitch of the propeller that is undergoing maintenance is positioned to generate minimum water resistance.

The hydraulic pressure of 157 bar (2,277 psi) is supplied by a pressure intensifier with pneumatic inlet pressure of 7 bar (101 psi).