



# VAN VOORDEN *foundry*

an **ANDUS** group company



## Ice class propellers - Ferry

### Facts

- Scope : 2 x 4 propellers
- Diameter: 2,900mm/3,500mm
- Blades : 5/4 blades
- Material : Stainless steel
- Weight : 4,900 kg/7,700 kg
- Class : Lloyds Register
- Finishing : Class I (ISO 484/1)

Van Voorden Foundry has manufactured two sets of four (4) stainless steel propellers for the company of Steerprop Ltd which is the producer of azimuthing propulsion systems (pods). The propellers, with diameters of 2,900 mm and 3,500 mm, have a combined weight of over 25 tonnes of high quality stainless steel and are used for two contra-rotating podded drives. The total system is extremely efficient and is used on a Canadian ferry which operates in arctic conditions (with ice class notation 1AS).

The ferry is built by the Italian yard Fincantieri (on behalf of their client Société des traversiers du Québec) and transports passengers throughout the year. Because of the harsh local conditions it is necessary for the ship to be able to sail safely and for the propellers to be able to cope with big chunks of ice. Van Voorden is one of the very few foundries in the world able to deliver these extremely tough stainless steel propellers at the required quality.