

Three double hull oil tankers

Damen Bergum



photo by: damen-bergum.nl

Eekels Delivered and Installed:

- Electrical installation
- "EVE" Frequency drives for cargo pumps(make Eekels)
- "EAS" Engine room alarm system (make Eekels)
- Bridge console, engine room console, cargo control console, MCC cabinets and switchboards (make Eekels)
- PTO/PTI generator/motor system (make Caldic)
- Lighting installation (make Aqua Signal)
- Fire alarm installation (Tyco Integrated Systems)

General data of the vessel:

Length over all	: 75.1/79.85m
Breadth moulded	: 14/17m
Depth	: 7.60/8,95m
Deadweight	: 3100/4500T
Tank capacity	: 3000/5130m ³
Voltage	: 3x400V, 50 C/s 3x230V, 50 C/s
Aux. Generators	: 2x 525 kW
Em.Generator	: 65 kW
Shaft Generator	: 348 kW
Main Engine	: 2400 kW
Class	: LRS
Yard	: Damen Shipyards Bergum
Owner	: Darwin Shipping Ltd., Jersey
Delivery date of vessels	: October 2004, January/February 2005

October 2004 Damen Shipyards Bergum delivered the first of three double hull oil tankers.

The "Border Heather" is a 3100 tdw and the "Border Thistle" and "Border Tartan" are 4500tdw double hull oil tankers.

All three tankers are among other things equipped with 10 cargo deepwell pumps which are driven by means of Eekels made frequency drives.

The EVE frequency drives make it possible to adjust the speed and capacity of the pumps from minimum to maximum with maximum torque depending on the gravity and viscosity of the medium.

The tankers are built at Damen shipyards in Galati, Romania and electrically outfitted by Eekels Romania.

The vessels are built according to the rules and regulations of Lloyds register of Shipping.

Eekels Elektrotechniek BV was responsible for the engineering, manufacturing, outfitting and commissioning of the complete electrical installation.

Eekels supplied all electrical "Eekels made" switchboards and control desks including our own "EAS" engine room alarm system and the mentioned Eekels made "EVE" frequency drives for the cargo pumps.

