POLLUTION CONTROL VESSEL 8313
“ARCA”

GENERAL
Yard number 6797
Delivery date June 1998
Basic functions Oil pollution recovery and Hydro-Oceanographic research
Classification Bureau Veritas I 3/3 E, special service/research vessel/oil recovery ship, deep sea, Mach, AUT-MS, ALS
Owner Ministry of Transport, Public Works and Water Management, North Sea Directorate, The Netherlands

DIMENSIONS
Length overall 83.02 m
Beam overall 12.80 m
Depth 6.85 m
Draught design 4.50 m
Draught maximum 5.70 m
Deadweight 2000 t

TANK CAPACITIES
Recovery oil cargo 1060 m³
Fuel oil 200 m³
Fresh Water 175 m³
Ballast Water 360 m³

PERFORMANCES (TRIALS)
Speed 13.0 kn

ELECTRICAL INSTALLATION
Generator sets 2x Caterpillar 3512B, 1056 kW, 690 V
2x Caterpillar 3508B, 858 Kw, 690 V
1x Caterpillar 312.5 kVA, 400 V, aux. set
Power 690/400/230 V 50 Hz, 24V DC emergency

DECK SYSTEMS
Deck cranes 1x 1 t @ 8.5 m at bow
1x 10/20 t @ 11.0 / 8.0 m at stern
1x 10 t @ 11.0 m at midship
2x 7 t for oil recovery booms
1x A-frame on stern, 6 ton

OIL POLLUTION RECOVERY SYSTEMS
Oil recovery booms 2x 15 m sweeping arms with oil pump, 450 m³/hr. capacity each
Inflatable booms 2x 200 m on a hydraulic reel system
Skimmers Various types of portable oil skimmers
Demulsifier & gasoil injection system

ACCOMMODATION
Fully air-conditioned for 21 persons in 1-2-berth cabins, with heating and ventilation system.

NAUTICAL AND COMMUNICATION EQUIPMENT
Radio equipment according to GMDSS rules for Area A3.
A power- and ship’s management system with integrated ECDIS. Extensive hydrographical measurement systems with obstacle avoidance sonar, multi-beam echo sounder, DGPS positioning system, heave compensation, etc.