

MULTI-PURPOSE OFFSHORE VESSEL **SEABED PRINCE**



*A versatile multi-purpose
offshore vessel, providing
integrated and dependable
WROV services worldwide*



SWIRE SEABED



EXCELLENCE IN SUBSEA OPERATIONS

Operated by Swire Seabed AS, Seabed Prince is manned by our expert marine and ROV crew consisting of highly qualified personnel with extensive experience in the industry, both on and offshore.

Swire Seabed AS became a part of the Swire Pacific Offshore (SPO) group in February 2012. SPO's network of offices encompasses 20 countries on six continents, enabling a genuinely worldwide operating platform. The marine and ROV crews on Seabed Prince have a history of working together; marine and ROV crews work back to back on the same swings whenever possible. This ensures vessel-specific knowledge is properly shared and a culture of cooperation between the marine and subsea crews means a high standard of operations is achieved at all times. We provide a dynamic and flexible service lead by our dedicated project management teams which take prompt decisions to assist with our clients operational needs.

MAIN CHARACTERISTICS

- 1 x Schilling 4000m HD WROV
- 1 x Schilling 3000m HD WROV
- 2x AHC A-frame LARS
- 7.2 x 7.2 m Moon pool
- ST 253 Design
- SPS Compliant
- Rolls Royce Class 2 DP system
- 2x Kongsberg HiPAP 500
- Active heave compensated 70 t Offshore crane
- Accommodation for 72 persons
- 650m² deck area
- Integrated helideck
- ERN 99,99,99



VESSEL SPECIFICATIONS

Vessel name	: M/V "Seabed Prince"
Port of registry	: Bergen
Flag	: NIS
IMO Number	: 9489651
Class	: DNV +1A1, SF, EO, DYNPOS AUTR, CLEAN, COMF-C3-V3, HELDK-SH, NAUTOSV (A), DK (+), ICE-C
Call sign	: LARF 7
Builder	: Baatbygg AS
Built	: 2009
ERN:	: 99,99,99

DIMENSIONS & CAPACITIES

Length overall	: 85.30m
Length between P.P.	: 75.00m
Breadth	: 18.00m
Draft lightship	: 4.71m
Draft maximum	: 6.80m
Deck space	: 650m ²
Gross Tonnage	: 4398 t
Net tonnage	: 1320 t
Water ballast (approx):	2200m ³
Fresh water (approx)	: 430m ³
Fuel oil (approx)	: 1052m ³
Endurance at sea:	60 days without interruption

SPEED

Service speed	: Approx. 12.5 knots
Max speed	: Approx. 16 knots

MAIN ENGINES / GENERATORS / THRUSTERS

Main Engines	: 4x CAT 3516B, 1800 kW
Generators	: 4x 1901 kW
Stern Thrusters /	
Propulsion	: 2x 2200 kW Azipull
Fwd Thrusters	: 2x 1150 kW Ulstein Tunnel : 1x 1400 kW UL 2001 CP Azi drop down

MAIN CRANE

1x TTS AHC offshore crane as per red book regulations	
Main winch	: 70 t / 11m
Wire length main winch:	2000m
Max outreach	: 25 t / 25m

Hook speed full load	: 0-30m / min
Hook speed light load	: 0-50m / min
Aux winch	: 10 t / 25m
Wire length aux winch	: 400m
Tugger winche	: 2x 5t wire length: 70m

DECK CRANES

- 2x Aux cranes 1.5 t / 10.3m
- 1x Crane for provision handling 1 t / 15m

ACCOMMODATION AND MEETING ROOMS

- 72 persons (20 single berth cabine + 26 double berth cabins)
- 2 x lounges (25 m²)
- 1x Meeting rooms (17m²)
- 1x Online room (49m²)
- 1x Offline room (30m²)
- 1x Hospital (8.7m²)
- 1x Gymnasium (13.9m²)
- 1x Helideck reception area (8.7m²)
- 1x Wardrobe (23m²)

NAVIGATION / DP SYSTEM

Equipment according to GMDSS regulations, Area 3 and Naut OSV notation.

- 2x radars
- 3x Gyro compasses ECDIS
- 2x DGPS Cyscan
- 2x Seapath 200
- 3x MRU w/ voting
- Triple redundant Dynamic Positioning System
- 3x DP operator stations
- 3x Wind sensors w/ voting

Dual ECDIS, approved for paperless navigation

Hydroacoustic positioning reference systems:

- 2x HiPAP 500

COMMUNICATION EQUIPMENT

- 2x VHF w/DSC
- 1x MF/HF wDSC
- 2x Inmarsat-C with SSAS alarm
- 1x GMDSS alarm panel
- 1x Fleet 77 w/fax and interface to DP
- 1x Navtex
- 1x Ku-band VSAT
- 1x GSM Mobile phone
- 3x Portable VHF (GMDSS)

VESSEL SPECIFICATIONS

ROV HANGAR

An ROV Hangar is situated aft of the accommodation area. The Hangar may be closed in order to function as a protected work area for storage, maintenance and handling of the ROV systems.

The vessel also holds:

- 1x ROV Mechanical work shop
- 1x ROV Electrical work shop

LAUNCH AND RECOVERY SYSTEMS ROV

- 1x A-frame installed in ROV Hangar for WROV

The LARS system has an Active Heave Compensated winch with 5500 meters Umbilical capacity

- 1x AHC LARS system installed for second WROV

HELIDECK

Helideck for Sikorsky S-92

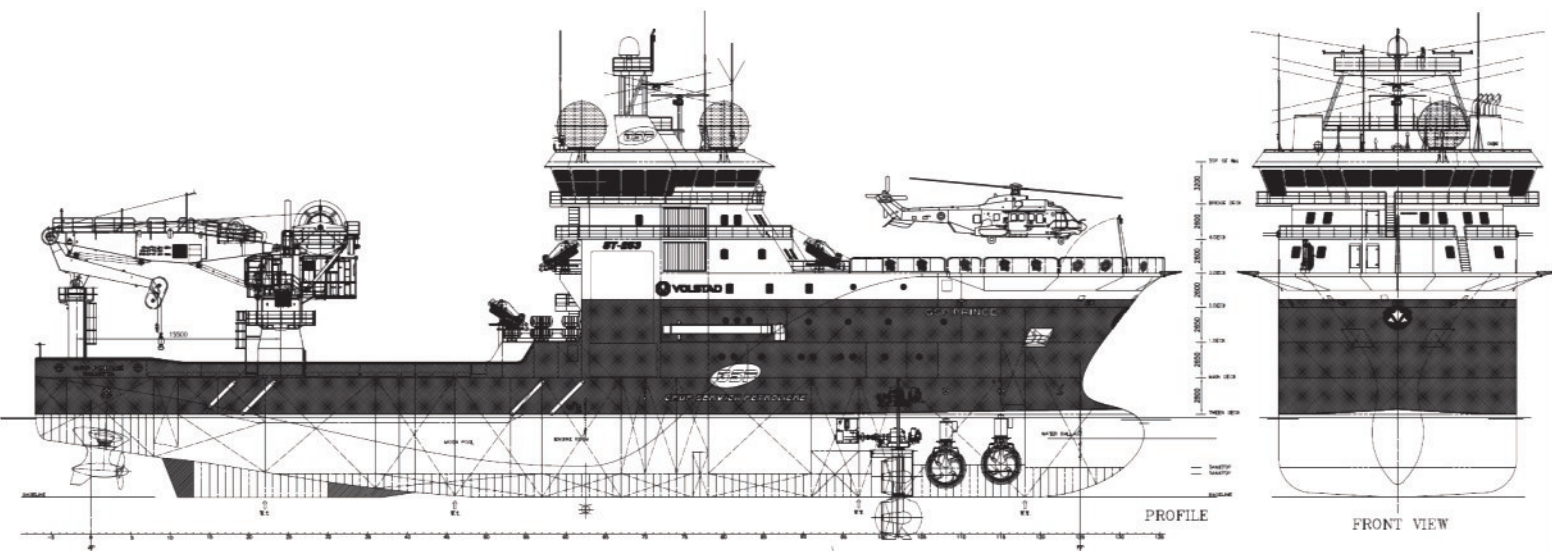
Rules: CAA CAP437

FUEL CONSUMPTION

Operating Situation	Sea State	Fuel Consumption/day
Max	Light	18 tonnes
11-12 knots Transit Speed	Moderate - Heavy	12.6 - 15 tonnes
11-12 knots Transit Speed	Light	10.5– 12.5 tonnes
DP	Heavy	10- 11 tonnes
DP	Moderate	8– 9 tonnes
DP	Light	7 tonnes
In port	n/a	1– 2 tonnes

* Fuel consumption rates are provided in good faith and are correct at time of publication

GA SPECIFICATIONS



DP CAPABILITY PLOT

Summary of the results of the analysis.

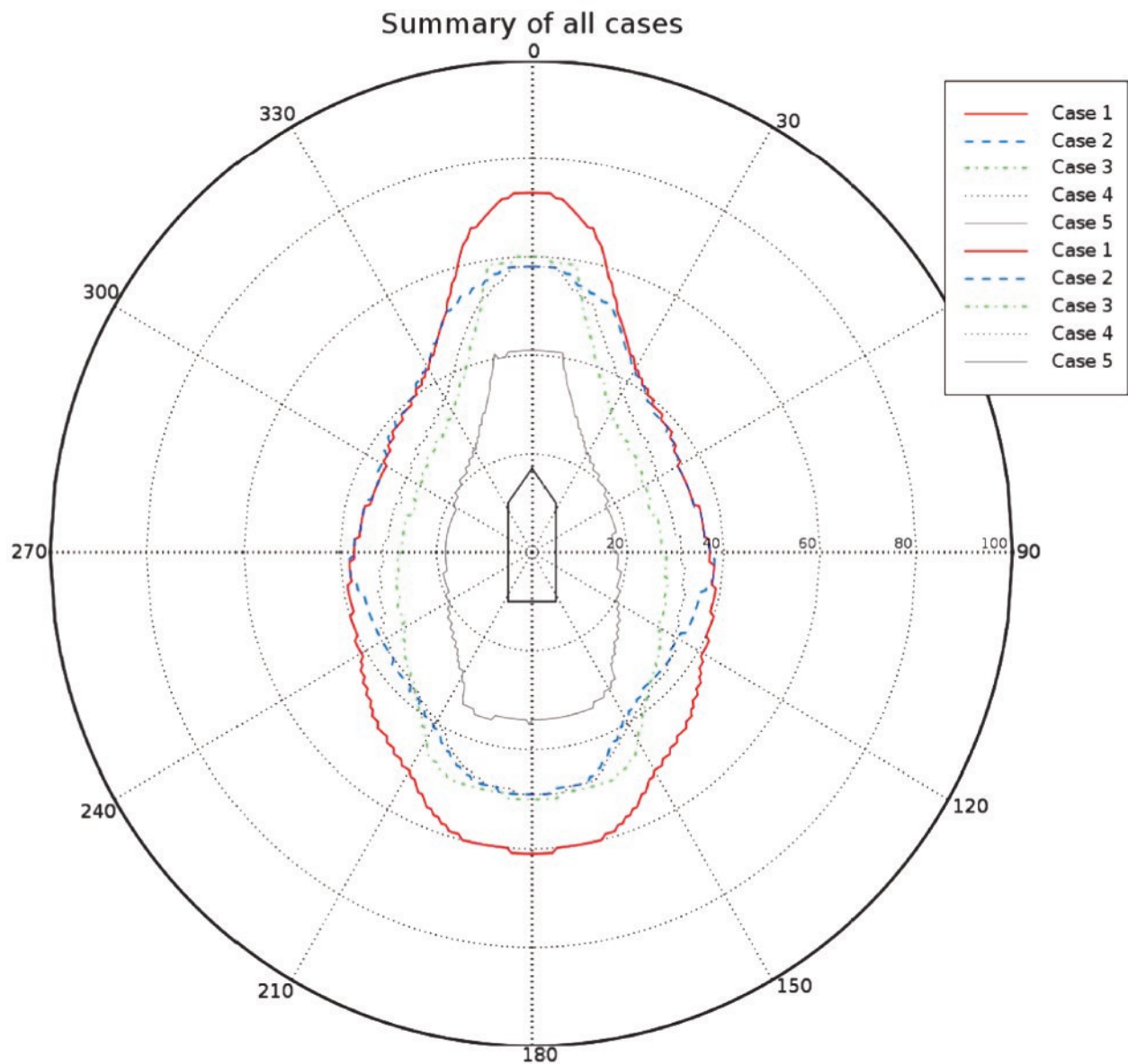
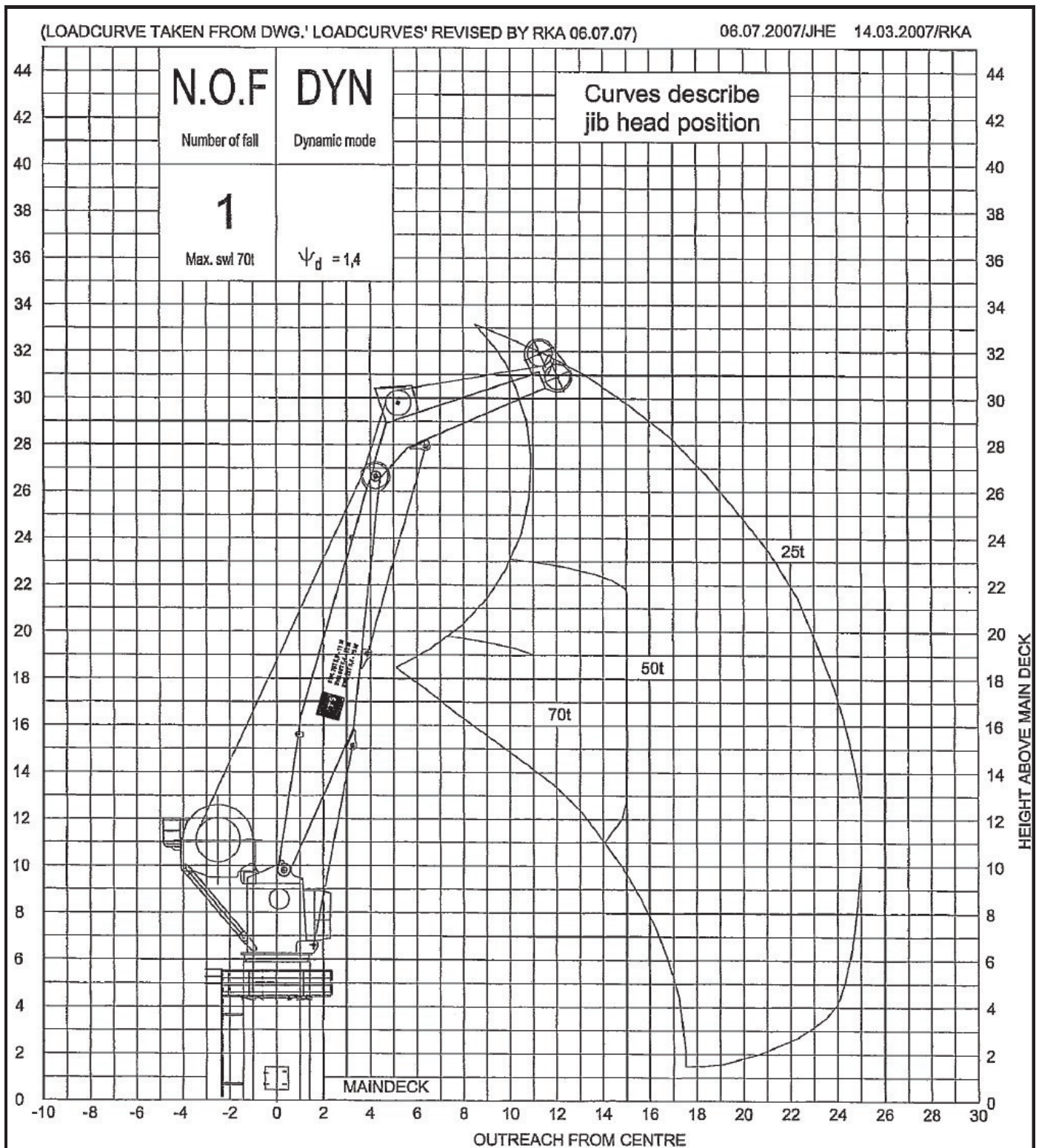


Figure 1: Plot of all cases

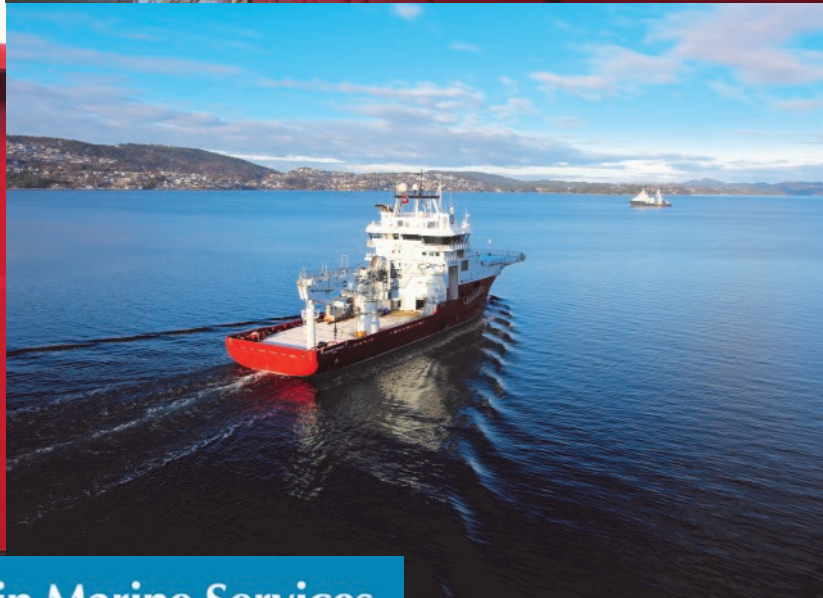
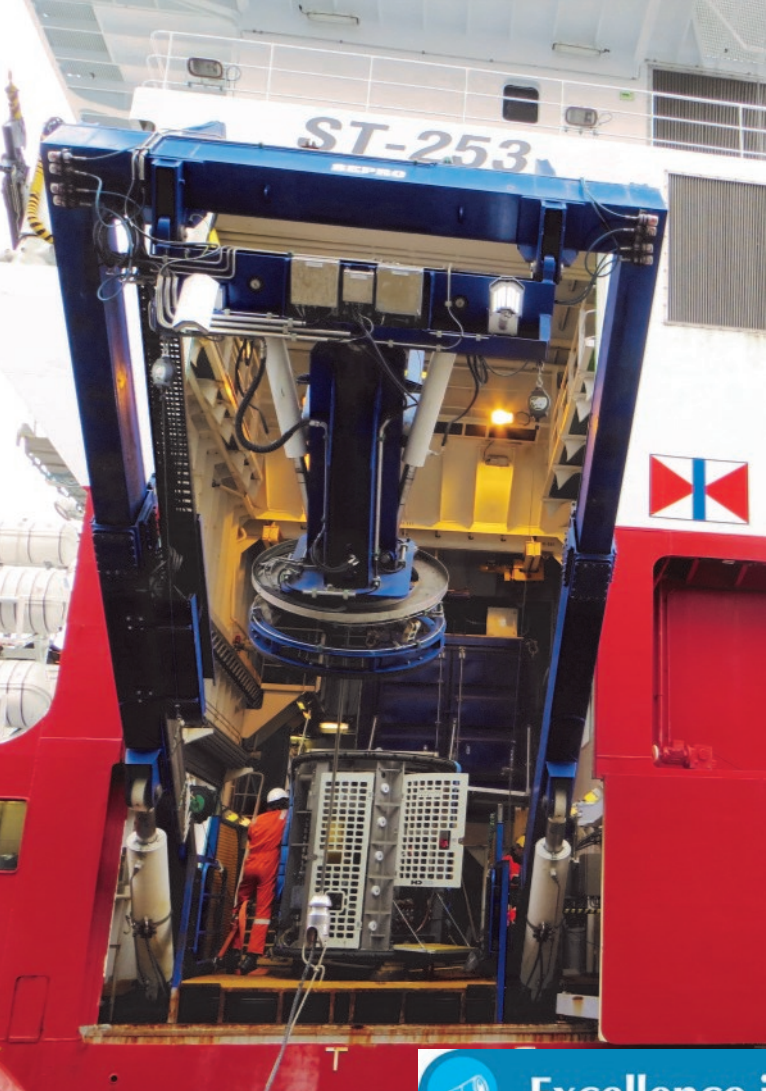
Case #	Capability m/s	ERN	Case Description
1	35.0	99	All thrusters in use
2	35.0	99	Minimum effect of one thruster failing
3	26.0	99	Maximum effect of one thruster failing
4	29.0	N/A	Loss of port side of switchboard
5	17.0	N/A	Loss of starboard side of switchboard

Table 1: Summary of all cases analysed

AHC CRANE CURVE



- Max lift capacity: 70 t / 11 m
- Max outreach: 25 t / 25 m
- Wire length: 2000 m
- Hook speed fully loaded: 0-30 m / min
- Hook speed light load: 0-50 m / min



Excellence in Marine Services

Excellence in every operation, every time, everywhere.

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