



## CARACTERISTICAS PRINCIPALES / MAIN SPECIFICATIONS

### GENERAL

Puerto de Registro / Port of Registration:	Singapore
IMO No:	9380221
Distintivo de llamada / Call Sign:	9VEX2
Entrega / Delivery:	26 May 2008
Constructor / Built:	USC Keihin Shipyard, Japan
Diseño / Design:	USC MX-A150
Clase / Class:	ABS, A1, AH/OSV, Towing, Fifi1, DPS-2, ACCU, AMS

### DIMENSIONES / DIMENSION

Eslora total / Length Overall:	68.0 m
Eslora / Length, BP:	60.0 m
Manga / Molded Breadth:	16.4 m
Puntal / Molded Depth:	7.2 m
Design Draft:	5.2 m
Maximum Draft:	6.0 m
Tonelaje Bruto / Gross Tonnage:	2428
Tonelaje Neto / Net Tonnage:	799

### VELOCIDAD DE PRUEBA / TRIAL SPEED / CONSUMPTION @ 4.92 m Draft

Cruising (50% MCR):	13.17 knots/21.2 T/day
Full (85% MCR):	14.19 knots / 34.9 T/day
Maximum (100% MCR):	14.41 knots / 41.4 T/day

### CAPACIDAD / CAPACITY

DWT @ Design Draft:	1660 T
DWT @ Maximum Draft:	2460 T
Area Libre en Cubierta / Clear Deck Area:	31.2x13.4= 418 m <sup>2</sup>
Cubierta de Carga / Deck Cargo:	1000 T
Deck Strength:	5 T/m <sup>2</sup> & 10 T/m <sup>2</sup>
Aceite combustible / Fuel Oil:	991 m <sup>3</sup>
Agua Potable / Fresh Water:	532 m <sup>3</sup>
Agua de Perforacion / Drill/Ballast Water:	921 m <sup>3</sup>
Lodo / Liquid Mud:	423 m <sup>3</sup>
Mud/Brine/Base Oil:	165 m <sup>3</sup>
Aceite Recuperado / Recovered Oil:	1006 m <sup>3</sup>
Dry Bulk:	250 m <sup>3</sup>
Congelador / Chiller/Freezer:	10 m <sup>3</sup> each

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### MAQUINARIA Y PROPULSION / MACHINERY & PROPULSION

<b>Motor principal / Main Engine:</b>	2 x Wartsila 9L32, 4500 kW
<b>Propulsion:</b>	Wartsila Lips CPP in HR Nozzle
<b>Hélice de proa / Bow Thruster:</b>	2 x 820 kW, CPP, each 120 kN
<b>Popa / Stern Thruster:</b>	1 x 820 kW, CPP, 120 kN
<b>Timón / Rudder:</b>	Rolls-Royce High Lift Flap
<b>Steering:</b>	Tenfjord Rotary Vane
<b>Generador de ejes / Shaft Generator:</b>	2 x 1800 kW, 440V/3P/60Hz
<b>Generador auxiliar / Auxiliary Generator:</b>	2 x 320 kW, 440V/3P/60Hz 1 x 72 kW, 440V/3P/60Hz

### REMOLQUE Y ANCLA / TOWING AND ANCHOR-HANDLING

<b>Tracción a punto fijo / Bollard Pull:</b>	153.9 T Continuous
<b>Winch principal / Main Winch:</b>	Brattvaag LP Hydraulic
<b>Capacidad del tambor / Drum Capacity:</b>	2 x 2500 m of 76 mm wire
<b>Línea de tracción / Line Pull:</b>	300 T at First Layer
<b>Freno / Brake:</b>	450 T at First Layer
<b>Cable Lifter:</b>	1 x 76 mm & 1 x 84 mm
<b>Rig Chain Locker:</b>	2 x 80 m3, 500 m of 3" chain
<b>Tope de la cadena / Chain Stopper:</b>	2 x Karm Fork, 300 T SWL
<b>Remolque Pin / Tow Pin:</b>	4 x Karmoy, 160 MT BP
<b>Rodillo de popa / Stern Roller:</b>	4 m length x 2 m dia, 450 T
<b>Spare Rope Reel:</b>	2 X 1500 m of 76 mm wire
<b>Tow Wire:</b>	2 x 1400 m of 76 mm wire
<b>Work Wire:</b>	2 x 250 m of 76 mm wire

### MAQUINARIA DE CUBIERTA / DECK MACHINERY

<b>Tugger:</b>	2 x 12 T @ 24 m/min
<b>Cabrestante / Capstan:</b>	2 x 10 T @ 19 m/min
<b>Molinete / Windlass:</b>	1 x 15 T @ 12 m/min
<b>Grú / Crane:</b>	1 x ST @ 12 m, fixed boom

### EXTERNAL FIRE FIGHTING & ANTI POLLUTION

<b>FiFi Pumps:</b>	2 x 1500 m3/hr at 14 bar
<b>Monitores de agua / Water Monitors:</b>	2 x 1200 m3/hr
<b>Monitores de espuma / Foam Monitors:</b>	2 x 300 m3/hr
<b>Fixed Water Spray:</b>	FiFi 1 requirement
<b>Tanque de espuma / Foam Tank:</b>	25 m3
<b>Dispersante Boom / Dispersant Boom:</b>	2x6m length
<b>Tanque dispersante / Dispersant Tank:</b>	12.5 m3

### CARGA DE LA BOMBA Y SISTEMA / CARGO PUMP & SYSTEM

<b>Lodo / Liquid Mud:</b>	2 x 150 m3/hr at 18 bar
<b>Salmuera / Brine:</b>	1 x 150 m3/hr at 18 bar
<b>Emulsion:</b>	1 x 150 m3/hr at 18 bar
<b>Agua de perforacion / Drill Water / Diesel:</b>	2 x 150 m3/hr at 18 bar
<b>Potable / Potable:</b>	1 x 150 m3/hr at 18 bar
<b>Dry Bulk Discharge:</b>	Approx. 80 m3/hr
<b>Dry Bulk Compressor (2)</b>	18.5 m3/min at 5.6 bar
<b>Agitadores Mecanicos / Mechanical Agitator:</b>	Each Mud/Brine tank
<b>Fixed Tank Washing:</b>	Each Mud/Brine tank
<b>Control remoto / Remote Control:</b>	Rolls-Royce UMAS

### DYNAMIC POSITION SYSTEM

<b>Interfaces:</b>	DGPS, Gyro, Laser, Anemometers, Motion Reference Sensor
<b>Make/Model:</b>	Converteam ADP21

### ALOJAMIENTO / ACCOMMODATION

<b>Berth (30):</b>	6 single, 6 double & 3 x 4-berths
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<b>NAVIGATION:</b>	X-band and S-band radars, Autopilot, Echo Sounder, Speed Log, Weather Fax.
<b>COMMUNICATION:</b>	2 x INMARSAT-C and 1 x Fleet Broadband 150 (Email, Voice & Data) Norsafe 1S-men FRC, 144 HP Inboard
<b>RESCUE:</b>	Diesel Engine, Waterjet Propulsion and Davit