
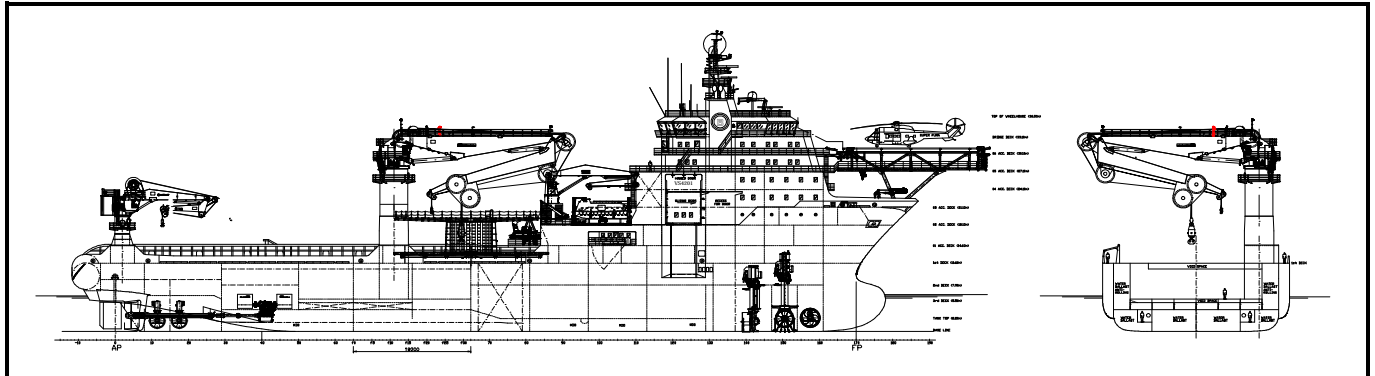


|                                                                                                                        |                                                  |                         |             |                           |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------|-------------|---------------------------|
| <br><b>FACTORIAS<br/>VULCANO, S.A.</b> | <b>OFFSHORE VESSEL FILING CARD</b>               |                         | Nº IMO :    | <b>9275153</b>            |
|                                                                                                                        | Name:                                            | Owner / Broker:         | Build. no.  | Stud. no.                 |
|                                                                                                                        | <b>BOA SUB C</b>                                 | <b>BOA DEEP C II AS</b> | <b>521</b>  | <b>0</b>                  |
|                                                                                                                        | Cargo Capacity:                                  | Country:                | Filing Card | Date 11/07/2006<br>Rev. D |
| <b>12.000 dwt</b>                                                                                                      | <b>NORWAY</b>                                    |                         |             |                           |
| REFERENCE                                                                                                              | Type:                                            | Built date:             | Page:       |                           |
| <b>CBV0521 VOC</b>                                                                                                     | <b>OFFSHORE CONSTRUCTION / PIPELAYING VESSEL</b> | <b>2006</b>             | <b>1</b>    |                           |



|         |               |          |                                                                                                                                            |      |          |
|---------|---------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|------|----------|
| Survey: | <b>D.N.V.</b> | Classed: | + 1A1, E0, Tug/Supply Vessel basic SF, Pipelaying, HELDK, Dynpos, AUTRO, CLEAN, Comf-V(3), Comf-C(3), register notations dk(+), and T-MON. | Ice: | <b>-</b> |
|---------|---------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|------|----------|

| MAIN PARTICULARS (m) |                | TONNAGES (Tons) |               | CAPACITIES (m3) |              | OUTPUT / SPEED / RANGE    |                      |
|----------------------|----------------|-----------------|---------------|-----------------|--------------|---------------------------|----------------------|
| Length Overall       | <b>138,50</b>  | GT (IMO 69)     | <b>13791</b>  | Holds Chain     | <b>1885</b>  | Output (KW)               | <b>2 x 6.600</b>     |
| Length B. Perp.      | <b>124,12</b>  | TRB (IMO 67)    | <b>4137</b>   | Cargo Holds     | <b>2770</b>  | % MCR - % Sea             | <b>100 - 0</b>       |
| Breadth mould.       | <b>30,06</b>   | DWT (d. Sum.)   | <b>12.036</b> | Heavy Fuel      | <b>0</b>     | Speed trial (KN) // Draft | <b>17,0 / 6,00 m</b> |
| Depth mould.         | <b>11,60</b>   | DWT (d. Sct.)   | <b>12.036</b> | Diesel Oil      | <b>3432</b>  | % MCR - % Sea             | <b>100 - 0</b>       |
| Summer draught       | <b>8,80</b>    | Displacement    | <b>24.018</b> | Lub Oil         | <b>68</b>    | Speed trial (KN) // Draft | <b>15,5 / 8,80 m</b> |
| Scantling draught    | <b>8,80</b>    | Lightweight     | <b>11.982</b> | Fresh Water     | <b>1426</b>  | Range (nm)                | <b>9500</b>          |
| Crew - Scientific    | <b>55 + 50</b> | TPC/I           | <b>34</b>     | Ballast Water   | <b>11269</b> | Consumption t/day (F/D)   | <b>130</b>           |

| SPECIAL INSTALLATIONS                                                                | OTHER CHARACTERISTICS                                   |
|--------------------------------------------------------------------------------------|---------------------------------------------------------|
| Two separate engine room, switchboard and steering gears, acc. IMO DP3 requirements. | Free deck space: 1587 m <sup>2</sup>                    |
| Propulsion mode: Diesel Electric with 2x3.300 bkW electric motors in each shaft      | Main deck reinforced for 15 t/m <sup>2</sup>            |
| Dynamic positioning (Dynpos AUTRO), with remote joy-stick                            | Bollard pull : 225 tons at 100% MCR.                    |
| Integrate Navigation Bridge E0                                                       | Watertight remote controlled A60 doors.                 |
| IAS with 2565 I/A                                                                    | Helideck designed for a Sikorski S92                    |
| ROV hangar std. & port side, and ROV control room                                    | Total capacity: 140 pers. with 35 pullman beds (105+35) |
| Moon-pool off 7,20 x 7,20                                                            |                                                         |
| Anti-rolling and Anti-heel tanks with flow control for automatic operation           |                                                         |
| Passive roll reduction tank                                                          |                                                         |
| Pipe lay spread system                                                               |                                                         |

| MACHINERY AND AUX. ENGINES           |                                               | DECK MACHINERY                                 |                                                            |
|--------------------------------------|-----------------------------------------------|------------------------------------------------|------------------------------------------------------------|
| Diesel engines (Desing / Type)       | <i>see Aux. Diesel Engine</i>                 | CRANE                                          | 1 x Offshore crane 400 T at 12 m with A.H.C.               |
| Output (KW) / r.p.m.                 | <i>see Aux. Diesel Engine</i>                 | CRANE                                          | 1 x Offshore crane 30 T at 18m with A.H.C.                 |
| Electrical AC motors (Desing / Type) | 4 x Siemens 1RN4560-6PM90/Z                   | CRANE                                          | 1 x Offshore/Marine crane- SWL 15 t at 20 m                |
| Output (KW) / r.p.m.                 | 4 x 3300 Kw / 0-900-1220 rpm                  | CRANE                                          | 1 x Telescopic folding crane - SWL 5 t at 6 m              |
| Gear Box (Desing / Type)             | 2 x Scana Volda EGACG/15/1080S                | CRANE                                          | 1 x Telescopic folding crane - SWL 0.5 t at 20 m           |
| Reduction / Par                      | 8.074 : 1                                     | ROLLERS                                        | 2 off x 5 m length - 4.5 m diameter - Pull off 750 t Stern |
| Propeller (Desing / Type)            | 2 X Scana Volda CP NOZZLE                     | TOWING                                         | Retractable Towing pins 330 tons                           |
| Blades Ø / r.p.m.                    | 4400 mm / 111 - 135 rpm                       | TOWING                                         | 2 Forks                                                    |
| Side Thruster (Ø / Kw)               | 2x2250 + 1x2750 mm / 2x1425 + 1x1800 Kw       | <b>TOWING, ANCHORING &amp; MOORING WINCHES</b> |                                                            |
| Retract. Azimuth Thruster (Ø / Kw)   | 1 x 2600 mm + 1 x 2750mm / 2 x 2150 Kw        | WINCH                                          | 1 off Towing / Anchor Handling offshore winch - 3 Drums    |
| Aux. Dies. Eng. (Desing.-KW./Typ)    | 2 x Wartsilla 12V32 - 2 x 5760 Kw             | WINCH                                          | Elec. driven - AH drum 600 t pull - Towing drum 500 t pull |
| Alternator (Desing.-KVA/ rpm)        | x Siemens 1DK 4536-05 - 2 x 6150 KVA / 720 rp | WINCH                                          | Two Windlass / Mooring winches                             |
| Aux. Dies. Eng. (Desing.-KW./Typ)    | 4 x Wartsilla 6L32 - 4 x 2880 Kw              | WINCH                                          | Two tugger winches pull 20 tons (01 Acc Deck)              |
| Alternator (Desing.-KVA/ rpm)        | x Siemens 1FJ4 805-10 - 4 x 3070 KVA / 720 rp | WINCH                                          | Two guide winches pull 15 tons (1st Deck)                  |
| Shaft Alter. (Desing.-KW/ rpm)       | -                                             | CAPSTAN                                        | Two Capstans - 15 tons with warping end head (1st Deck)    |
| Harbour (Desing.-KVA./Typ)           | Caterpillar 3508 + Siemens - 910 KVA          | CAPSTAN                                        | Two Capstans - 15 tons (03 Acc Deck)                       |
| Emergency (Desing.-KW./Typ)          | <i>see Harbour</i>                            | REELS                                          | Two storage rope reels - pull 5 ton                        |
| <b>Fecha: 25 - 11 - 98</b>           |                                               | <b>Formato: V - 061</b>                        | <b>Revisión: 0</b>                                         |