



| 名称        | NAME                  | Qty | Description   |
|-----------|-----------------------|-----|---|
| <b>常规</b> | <b>GENERAL</b>        |     |   |
| 船名        | Name of ship          |     | 德意 / DE YI  |
| 船东        | Owner                 |     | Shanghai Salvage Company                              |
| 公司地址      | Owner address         |     | No.1426 Yangshupu Road Shanghai, China                |
| 联系电话      | Telephone Number      |     | +86-021-65704492                                      |
| 建造年月      | Date of Build         |     | 1990-2-9  |
| 建造船厂      | Shipbuilder           |     | KYOKUYO SHIPYARD CORP.                                |
| 呼号        | Call Sign             |     | BSCC  |
| 国籍        | Nationality           |     | 中国 / China  |
| 船籍港       | Port of Registry      |     | 上海 / Shanghai   |
| 船级        | Classification        |     | CSA 5/5 Salvage Tug Ice Class B2                      |
| 船舶登记号     | Registered No.        |     | 010002000203  |
| 海上移动识别码   | MMSI No.              |     | 412648000   |
| IMO 编号    | IMO No                |     | 8908258   |
| 船舶种类      | Kind of Ship          |     | 拖轮 / Tug  |
| 总吨位       | Gross Tonnage         |     | 3128  |
| 净吨位       | Net Tonnage           |     | 938   |
| 航区        | Sailing Area          |     | World-wide  |
| 两柱间长      | Length BP             |     | 85.00 m   |
| 船舶主尺度     | Principal Dimension   |     | LOA (95m) / B (15.2m) / D (7.5m)                      |
| 吃水(艏/艉)   | Draft (Fore/Aft)      |     | 5.47m / 7.32 m (满载 Full)<br>4.04m / 6.42 m (空载 Light) |
| 主机功率      | Power of Main Engines |     | 3910kw x 2 (Total: 7820kw,10640 BHP)                  |

|               |                                   |   |   |
|---------------|-----------------------------------|---|---|
| 系柱拖力          | Bollard Pull                      |   | 120Tons   |
| <b>船舶通信资料</b> | <b>SHIP COMMUNICATION DETAILS</b> |   |   |
| 卫通F站          | Capsat Fleet77                    |   | Thrane &Thrane TT-3622B   |
| 卫通电话          | TEL No.                           |   | 870-600324567 (Bridge)  |
| 传真号码          | FAX No.                           |   | 870-600324568   |
| 电子邮件          | E-mail address                    |   | master@deyi.amosconnect.com   |
| C站            | Satcom-C Tlx no.                  |   | 441281810   |
| <b>舱容</b>     | <b>TANK CAPACITY</b>              |   |   |
| 重油            | Fuel Oil                          |   | 180CST 1558.38 m3   |
| 轻油            | Diesel Oil                        |   | MGO 218.45 m3   |
| 淡水            | Fresh Water                       |   | 351.59 m3   |
| <b>供油水</b>    | <b>LIQUID TRANSFER RATES</b>      |   |   |
| 供水            | Water                             |   | Pressure: 11 Bar Capacity: 45m3/hr  |
| 供油            | Oil                               |   | Pressure: 6.8 Bar Capacity: 40m3/hr   |
| <b>机械设备</b>   | <b>MACHINERY</b>                  |   |   |
| 主机            | Main Engines                      | 2 | HITACHI.ZOSEN CORPORATION<br>5320 hp (3913kW) × 200rpm  |
| 辅机            | Aux. Engines                      | 3 | DAIHATSU DIESEL MFG.CO.LTD<br>441 kw  |
| 发电机           | Generators                        | 3 | Type: FE 41B-6, Maker: TAIYO ELECTRIC CO.,LTD.<br>Rated capacity: 500 KVA , Rated volt.& cur.: 390V,  |
|               | Shaft Generators                  |   |   |
| 应急发电机         | Emergency Generator               |   | Type:BF6L913, Maker:TAIYO MITSUI DEUTZ DIESEL ENGINE Co.Ltd<br>Rated output power: 70 kw,<br>Type:ATW 28F, Maker:TAIYO Electric MFG.  |
|               | Emergency Fire pump               |   | TAIKO KIKAI INDUSTRIES CO. LTD, EVS-125MC<br>Capacity & Range: 40 m3 , 6 bar  |
| 主机空气压缩机       | Main Engine Air Compressor        |   | Compressor Type:SC12.5N-TF Maker: YANMAR DIESEL ENGINE CO.LTD, 1000min-1, Bore: 135×115mm, Stoke: 100mm, 60m3/h ,2.94Mpa<br>Motor Type:TIT-180L Maker: TAIYO ELECTRIC MFG. CO.LTD 380V 50HZ 15KW 4P |
| 应急空气压缩机       | Emergency Air Compressor          |   | KSC3-T Maker: YANMAR DIESEL ENGINE CO.LTD, 1500min-1, Bore: 65×55mm, Stoke: 54mm, 9m3/h ,2.94Mpa<br>Motor Type:TIT-132S Maker: TAIYO ELECTRIC MFG. CO.LTD 380V 50HZ 3.7KW 4P 7.9A 1425rpm           |
| 螺旋桨           | Propellers                        |   | Kawasaki, Controllable Pitch Propeller 1070CB/290RU, 4blades, Hub dia.1070 mm, Outwards view from rudder side, initial pitch ratio: 1.2816 at 0.7R, Propeller Dia.& rev.: 3200 mm, 180              |
| 舵             | Rudders                           | 2 | Streamlined Semi-balanced Hanging Rudders   |
| 舵机            | Steering Gear                     | 2 | Hydraulic, Maker & Type:KAWASAKI HEAVY INDUSTRIES CO. LTD , R21-180V, 250 Kg/cm2  |

|      |  |     |  |
|------|--|-----|--|
| 艏侧推  | Bow Thruster                               |     | KYOKUYU SHIPBUILDING CO. LTD , KT-43B1,<br>Propeller Dia. 1150 mm x 4 blades, Input Power &<br>Thrust: 317kw, abt.5ton |
| 艉侧推  | Stern Thruster                             | NIL | NIL  |
| 拖航设备 | <b>TOWING /ANCHOR HANDLING EQUIPMENTS</b>  |     |  |
|      | Towing winch                               |     | Hydraulic TDS-130H-2M, Rated load: 130/22 ton,<br>Rated speed: 9/27 m/min, Drum: 2 pcs , Maker:<br>FUKUSHIMA Ltd.      |
|      | Wildcat<br>(cable lifter)                  |     |  |
|      | Tow wire                                   |     | ① Dia. 66 mm x 1200 metres,<br>② Dia. 66 mm x 1200 metres<br>③ Dia. 66 mm x 1200 metres (on spare storage reel)        |
|      | Chain Locker                               |     |  |
|      | KARM FORK                                  |     | Type: KW 300-400, Capacity: 500 tons<br>Maker: Developed and patented by Karmay Winch<br>A/S Norway 1979-8-6           |
|      | KARM Towingpins                            |     | Type: KWT 350-800, Capacity: 170 tons<br>Maker:Developed and patented by Karmey Winch<br>A/S Norway 1979-8-6.          |
|      | Open Stern Roller                          |     | 4.1M x Dia 1.85M, 300 T SWL  |
| 甲板设备 | <b>DECK EQUIPMENTS</b>                     |     |  |
|      | Anchor                                     | 2   | Spek , 2690 kg /each, Maker: FUKUSHIMA Ltd.  |
|      | Anchor Chain                               |     | Dia.: 46mm, Grade: (2) "D"Shackle, P.C.D of Gypsy<br>wheel:φ597.08mm, Brake Capacity;53.6ton<br>FUKUSHIMA LTD          |
|      | Windlass                                   |     | Hydraulic F4448 II -WZ10, Winding Load: 12/10<br>tons<br>Winding/Skack speed: 10/45 m/min, FUKUSHIMA<br>Ltd.           |
|      | Tugger winch                               | 1   | WS10-L/DNH -R/DNV, Winding load: 10 tons,<br>Winding/Slack speed: 15/45 m/min, FUKUSHIMA<br>Ltd.                       |
|      | Capstan                                    | 2   | HCA5-10/500, Winding load: 10 tons<br>Winding speed: 30 m/min, FUKUSHIMA Ltd.  |
|      | Deck Crane                                 | 2   | MIF-H,<br>SWL: 12.3m-10T, 17.8m-2T, MIYAURA<br>MFG.CO. LTD   |
| 通导设备 | <b>NAVIGATION/COMMUNICATION EQUIPMENTS</b> |     |  |
|      | Gyro Compass                               |     | 北辰-CMZ-300X  |
|      | Auto Pilot                                 |     | YOKOGAWA NAVITEC PT100   |
|      | Echo Sounder                               |     | FURUNO FE680 T-2   |
|      | Radar                                      |     | FURUNO FR-2105 with ARPA<br>FURUNO FR-2125   |
|      | Speed Log                                  |     | FURUNO DS-70   |
|      | Weather Facsimile<br>Receiver              |     | FURUNO FX-408  |

|   |                                  |    |  |
|---|----------------------------------|----|--|
|   | NAVTEX Receiver                  |    | FURUNO NX-500  |
|   | GPS                              | 2  | FURUNO GPS NAVIGATOR GP-80, KODEN KGP-   |
|   | AIS                              |    | Class-A FURUNO Universal AIS FA-100  |
|   | S-VDR                            |    | FURUNO, VR-3000S   |
|   | Satcom-C                         |    | SCANTI INMMASAT-C  |
|   | MF/HF<br>Transceiver with<br>DSC |    | SCANSAT-CG C9000   |
|   | 406MHz EPIRB                     |    | JOTRON TRON 30S  |
| <b>救生、消防设备 LIFE-SAVING &amp; FIRE-FIGHTING EQUIPMENTS</b> |                                  |    |  |
| 救生艇   | Life Boat                        | 2  | No.1:CLMD25 30PS/3600rpm No.2:CLMD30<br>30PS/3900rpm Maker: DAIHATSU DIESEL<br>MFG CO.,LTD           |
|   | Life Raft                        | 4  | 20 p   |
| 工作艇   | Work-Boat                        |    | Length: 7.2M, Breadth: 2.3M, Depth: 0.9M,<br>Engine Outboard Motor: YAMAHA 36 ps×2 sets<br>4500watts |
|   | Fire Pump                        | 2  | FHP250M, 240 m3/h,<br>Power: 185 kw , RPM: 1500, Maker: SHINKO<br>DIESEL                             |
|   | Monitors                         | 2  | Controlled from Inside Wheelhouse  |
|   | Foam Monitor                     |    | Foam Tank: 16.16 m3  |
|   | Yokohama Fender                  | 2  | Dia 1.5mx2.5m  |
| <b>甲板面积及载重 DECK CAPACITIES</b>                            |                                  |    |  |
|   | Clear Deck Space                 |    | 170 m2   |
|   | Clear Deck<br>Dimension          |    | 15.3 x 10.8 metres   |
|   | Deck Strength                    |    | 5 Tons/m2  |
|   | Deck Cargo<br>Capacity           |    | 300 Mtons  |
| <b>铺位 ACCOMMODATION</b>                                   |                                  |    |  |
|   | 1 Berth                          | 12 |  |
|   | 2 Berth                          | 12 |  |
|   | 4 Berth                          | 1  |  |
| 医务室   | Hospital                         | 1  |  |