

德添轮船资料 VESSEL SPECIFICATION OF DE ZHOU

常规 GENERAL		
船名 Name of ship	德添 / DE TIAN	
船东 Owner	SHANGHAI SALVAGE CO.	
公司地址 Owner address	No.1426 Yangshupu Road Shanghai, China	
建造年月 Date of Build	2007-5-24	
建造船厂 Shipbuilder	中国武昌船厂/Wuchang Shipyard, China	
呼号 Call Sign	BOTU9	
国籍 Nationality	CHINA	
船籍港 Port of Registry	SHANG HAI	
船级 Classification	China Classification Society ,★ Ice class B2, ★ AUT-0 SCM ECM	
船舶登记号 Registered No.	CN20056979987	
海上移动识别码 MMSI No.	413298790	
IMO 编号 IMO No	9350575	
船舶种类 Kind of Ship	多用途拖轮 / Muti-purpose tug	
总吨位 Gross Tonnage	4044	
净吨位 Net Tonnage	1213	
航速 Speed	16.5 knots (Max.), 13.5 knots (Navigation)	
航区 Sailing Area	World-wide	
两柱间长 Length BP	80.00 m	
船舶主尺度 Principal Dimensions	LOA (89.96m) / B (17.2m) / D (8.5m)	
吃水(艏/艉) Draft (Fore/Aft)	满载 Full	6.8m / 6.9 m
	空载 Light	3.5m / 3.8 m
主机功率 Power of Main Engines	5920kw x 2 (total: 11840kw, 16108 BHP)	
续航力 Endurance	15840 N miles (40 days with Max speed);19764nm(61days with economical speed)	
系柱拖力 Bollard Pull	2016.64kn	
船舶通信资料 SHIP COMMUNICATION DETAILS		
卫通F站 Satcom-F	VAST	
TEL No.	13661794217	
FAX No.	870-764673175	
E-mail address	detian@COES.CN	
Tlx no.	441303568	
Satcom-C Tlx no.	441303568 DETIAN	
Satcom-C e-mail address	441303568@inmc.eik.com	
舱容TANK CAPACITY		
Fuel Oil	180CST 2618.7 m3	
Diesel Oil	MGO 229.1 m3	
M/E Lube Oil	ATLANTA MARINE D 3005: 21.99 m3	
M/E Cylinder Lube Oil	TALUSIA HR70:41.7m3	
A/E Lube Oil	DISOLA M4015(ELF) 4.398 m3	
Fresh Water	270.64 m3	

Ballast Water	1135.61 m ³	
Liquid Mud	None	
供油水 LIQUID TRANSFER RATES		
Water	pressure:8bar capacity:100m ³ /hr	
Oil	pressure:8bar capacity:108m ³ /hr	
机械设备 MACHINERY		
Main Engines	Type	MAN B&W8S35MC
	Maker	MAN B&W
	Rated output	5920 kw x 2 sets
Aux. Engines	Type	6N18AL-SV
	maker	YANMAR CO.LTD
	Rated output	615KW x 2sets
Generators	Type: FE45C-6, 2 sets, Maker: TAIYO ELECTRIC CO.LTD. Rated capacity: 700KVA 50HZ 3Φ 1000r/min AC400V 1010A	
Shaft Generators	Type: LSA 52.2 S55-4P ,2 sets, Maker: MOTEURS LEROY-SOMER 16015 ANGOULEME CEDEX-FRANCE Rated capacity: Puissance 1100KW Cos φ 0.8 1375KVA 400V 50HZ 1985A 1500rpm	
Emergency Generator	Type:6135JZD, Maker:SHANGHAI DIESEL GENERATOR FACTORY Rated output power: 90 kw, Rated volt.& Freq.:1500rpm, 400V, 50Hz	
Emergency Fire pump	Maker & Type: ZHENGHUA JIANGSU, 80CLZ-6 Capacity & Range: 45 m ³ , 48 m	
Main Engine Air Compressor	Type: NK HD50.1.2.00.01.10.53 ,2 sets, Maker: NK GERMANY. Capacity: 85 m ³ /hr, Delivery pressure: 3 Mpa	
Propellers	Description: MAN B&W Diesel A/S Denmark, Controllable Pitch Propeller, 4blades, Hub dia.1080 mm, Outward turning on top, Kort Nozzles and Feathering function, Propeller Dia.& rev.: 3400 mm, 173 rpm	
Rudders	flapped rudder,2 sets, 3.5mx2.55m	
Steering gear	Hydraulic, 2 sets ,Maker & Type: Rolls-Royce Marine AS,Norway,SR662-FCPX2	
Bow thruster	1 set ,Maker & Type: BRUNVOLL AS 6415 MOLDE NORWAY, FU-63-LTC-1750 Propeller Dia. 1826 mm x 4 blades, Input Power & Thrust: 800kw	
Stern thruster		
拖航设备 TOWING /ANCHOR HANDLING EQUIPMENTS		
Towing winch	Type: Hydraulic HTW-250/76×2, Rated load/speed: 250T-6M/MIN, 125T-10M/MIN, 10T-40M/MIN, Drum: 2 pcs , Maker: ZICOM Singapore.	
Wildcat (cable lifter)		
Tow wire	① Dia. 75 mm x 1500 metres, ② Dia. 75 mm x 1500 metres ③ Dia. 75 mm x 1500 metres (on spare storage reel)	
Chain Locker		
Shark Jaw/Towing Pins	Type: ROLLS-ROYCE, AHT232, HYDRAULIC, , Capacity:S.W.L:300T Maker: ROLLS-ROYCE	
Open stern roller	3.6M x Dia 1.8M, 5000kn SWL	
甲板设备 DECK EQUIPMENTS		
Anchor	Type: stockless Spek , 2 x 3260 kg /each, Maker: China Jiangsu	
Anchor Chain	Dia. : 44mm, Grade: AM3, Length: 27.5m x 15 shackles x 2, Maker: Zhen jiang, China	

Windlass	Type: Hydraulic HMMW-40/64+13/44x2, Winding Load: 127.5KN Winding speed: 10 m/min, Maker: ZICOM PTE,Ltd.
Tugger winch	Type: Hydraulic HTUG-20/37.5, Winding load: 20 tons, Winding speed: 15M/MIN, Maker: ZICOM Singapore.
Tugger winch	Type: Hydraulic HTUG-10/28, Winding load: 10 tons, Winding speed: 15M/MIN, Maker: ZICOM Singapore.
Capstan	2 sets, Type: Hydraulic EHP-30, Winding load: 5 tons Winding speed: 18 m/min, Maker: ZICOM Singapore.
Deck Crane	Type: 10T-7M/4T-14M SWL: 10 t x 7~14 m, Maker:Xingcheng ship merchinery Co.,JiangYin
通导设备 NAVIGATION/COMMUNICATION EQUIPMENTS	
Gyro Compass	Type: STANDARD 22 110-233, Maker: Raytheon Anschutz GmbH
Auto Pilot	Type: NP2015, Maker: Raytheon Marine GmbH
Echo Sounder	Type: FE-700, Maker:FURUNO ELECTRIC CO.,LTD
Radar	Type: FAR-2837S with ARPA, Maker:FURUNO ELECTRIC CO.,LTD
	Type: FAR-2827 with ARPA, Maker:FURUNO ELECTRIC CO.,LTD
Speed Log	Type: DS-80, Maker:FURUNO ELECTRIC CO.,LTD
Weather Facsimile Receiver	Type: FAX-207, Maker:FURUNO ELECTRIC CO.,LTD
NAVTEX receiver	Type: NX-700A, Maker:FURUNO ELECTRIC CO.,LTD
DGPS	Type: GP-90, 2 sets, Maker:FURUNO ELECTRIC CO.,LTD
ECDIS	
AIS	Type: FA-150, Maker:FURUNO ELECTRIC CO.,LTD
SSAS	Type: FELCOM-16, Maker:FURUNO ELECTRIC CO.,LTD
VDR	Type: VR-3000, Maker:FURUNO ELECTRIC CO.,LTD
Satcom-F	Maker & Type: Thrane&Thrane, TT-3084A CAPSAT Fleet77
Satcom-C	Type: TT-3000C, Maker:EUROCOM INDUSTRIES A/S
SART	Type: N0526, Maker:MAMEC SERPE LESM
MF/HF Transceiver with DSC	Type: SKANTI TRP 1000 , Maker:EUROCOM INDUSTRIES A/S
VHF Radio with DSC	Type: FM-8500, Maker:FURUNO ELECTRIC CO.,LTD
406MHz S-EPIRB	Type: Tron 40S MKII, Maker:Jotron AS
Joystick	Type: CJOY, Maker: Kongsberg Maritime AS
救生、消防设备 LIFE-SAVING & FIRE-FIGHTING EQUIPMENTS	
Rescue boat	RIGID, Capacity:6 p,engine-380J-1/19.7KW
Rubber work-boat	Zodic, Capacity 7 p, 4.20m x 1.86m, ENGINE-YAMAHA D36/26.5KW
Fire fighting pump	Type: RSV125-270A, Capacity: 100 m3/h, 80m, Maker: 上海凯士比泵业有限公司.
Survival suits and equipment	liferafts:20persons X 6pcs;Lifebouys:10pcs;lifejackets:40pcs;imersion suits:40pcs
Life saving applications for person are provided	30persons
Fi-fi Monitors	
Foam Monitor	
Yokohama Fender	dia 1.5mx2.5mx4pcs
甲板面积及载重 DECK CAPACITIES	

Clear deck space(total): 412 m2, Clear deck space for container :377m2, Clear Deck Dimension: 31.4 x 13.4 metres ,Deck Strength: 10T/M2(after FR20#),5T/M2(others), Crash Rail: 1.4 metres height,Deck Cargo capacity: 500 Mtons

铺位 ACCOMMODATION

Quarters:22 single bed cabin + 4 beds x 2 cabin