



PT. SUPRACO LINES

Kantor Pusat :

Radiant Building, 2nd Floor, Jl. Kapten Tendean No.24 Mampang Prapatan Jakarta 12720

Telp. 62-21-7191070 Fax.62-21-7191077

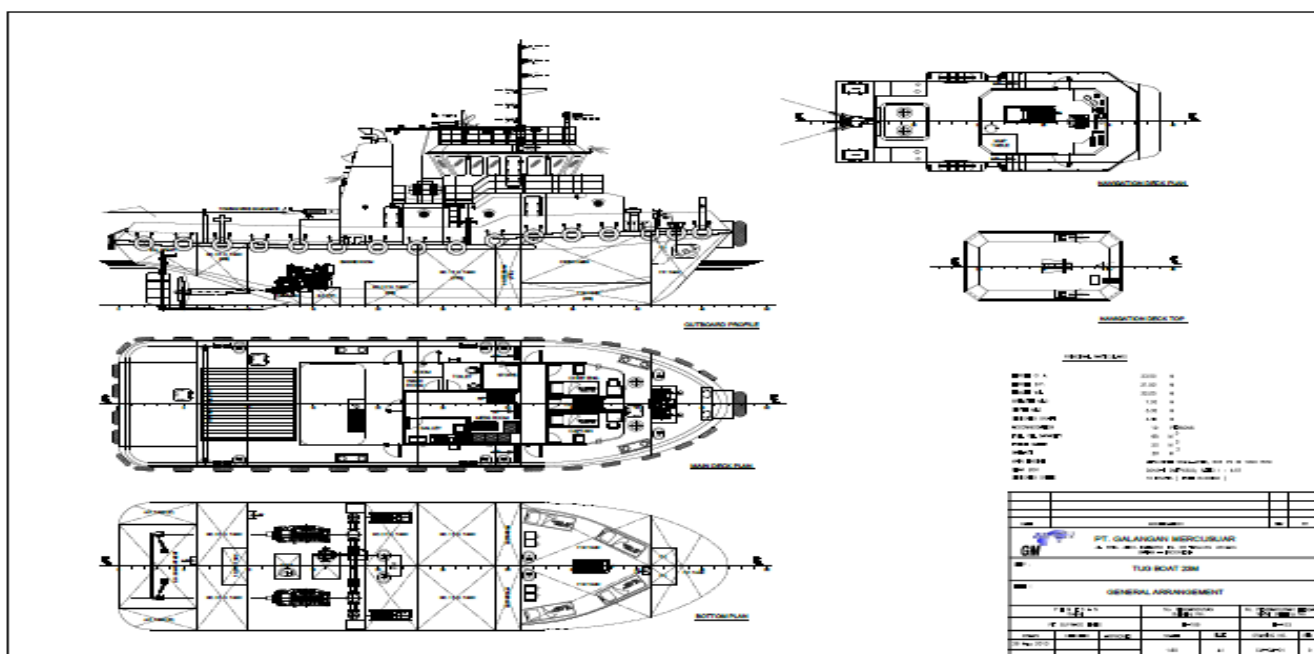
SHIP PARTICULAR - TUGBOAT

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No.Rev/Rev.No. : 00

Vessel : TB. KAKAP 2
Hull no. : 169
Type : Tugboat
Owners : PT. Supraco Lines
Operators : PT. Supraco Lines



GENERAL DESCRIPTION



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Registry : Tanjung Priok

Flag : Indonesia

Call Sign : YDB4580

Official No :

IMO / Llyod No. : 9736858

Class : BKI

Class No. : 19258

Class Notation : BKI A 100 (I) P + SM Tug

Built (years / shipyard / no.) : 2013 / Galangan Mercusuar / 023

PRINCIPAL DIMENSIONS and Capacities

LOA	:	23.50	M	LBP	:	21.50	m	B (mld)	:	7.00	m	Draft (S)	:	2.40	M
H (mld)	:	3.30	m	Fresh Water	:	20.00	T	Fuel Oil	:	60	T				

TONNAGE

GT : 144

NT : 44

Displacement (S/T) :

Light Ship :

HANDLING

Number	1	Maker	Type	SN
Maker / Model				
Capacity (SWL)				

SPEED & CONSUMPTION

Speed	M/E	A/E	FW	
At Sea	10 Knot			
In Port	- Knot			

TANKS (CAPACITIES)

Ballast Water	:	20.00	m ³	Fresh Water	:	20.00	m ³	Dirty Oil	:	1.00	m ³
FO Storage	:	60.00	m ³	FO Daily	:	3.00	m ³		:		m ³

RADIO & NAVIGATIONAL EQUIPMENT

RAA :	ID for DSC :	ID for Inmarsat :	MMSI :
Sellcall Nr. For NBDP :		Sea Area :	Answer Back :
VHF Radio 1	ICOM, IC-M304	Radar Marine	FURUNO MARINE RADAR
VHF Radio 2	ICOM, IC-M304		1945,RDP-152
SSB Radio	ICOM, ICM700 PRO	Echo Sounder	FURUNO,FCV-627
Walkie Talkie	ICOM, M--34	Fog Horn	Marco, 24 V DC single
Intercom	COMMAX	GPS	Furuno GPA 017. s/n 517996. 1pcs
Radio EPIRB	EPIRB Model SEP 500	Barometer	Aneroid 6"
Magnetic Standard Compas	Daiko, Compas Table 6" 24V DC	Merine Wall Clock	Tokugawa 6"
Magnetic Steering Compas		Horn Speaker	TOA, ZH - 2015M 8" 15W



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SAFETY EQUIPMENT

Fix CO2	Extinguisher, 5 kg cylinder (2 pcs)	Parachute Signal	6 pcs
Inflatable Liferaft	Shanghai Star Rubber Co.Ltd. type : SMLR - A - 10, s/n: 13A10039&13A10040 . @10Persons (2Unit)	Red Hand Flare	2 pcs
Life Jacket	DY5564-1 (14 pcs)	Fire Axe	Handle 36" (1 pcs)
Fire Smoke detector	8 pcs	Dry Powder	6 kg (5 pcs)
Lifebuoy	Huayan, 2.5 kg (6 pcs)	Foam	Tokugawa, 45 kg (1 pcs)
Binocular	1 pcs	Self Igniting Light	2 pcs
Line Throwing	Ikarus 1 pcs	Fire House	Machino, unlined type 40A x 15m
Clinometer	5" (2 pcs)	Smoke Signal	2 pcs
Bell Alarm	Demco, 6" 24 V red (4 pcs)	-	-

MACHINERIES

Engine	Main Engine 1	Main Engine 2	Auxiliary Engine 1	Auxiliary Engine 2	A/E Emergency
Maker	MITSUBISHI	MITSUBISHI	Yanmar	Yanmar	-
Type	S6A3 - MPTK	S6A3 - MPTK	Yanmar	Yanmar	-
No/Year/Sn	Year 2013 /36567	Year 2013 / 36576	4TNV106T - GGE	4TNV106T - GGE	-
Power/rpm	605 PS/1900 rpm	605 PS/1900 rpm	Year 2013/ Sn: V22226	Year 2013/ Sn: V22589	-
Bore/stroke	4srtoke	4srtoke			-
Generator			YAMAGEN(Ty pe: YTG75TLV - OM), S/N: Y60V09130697	YAMAGEN(Ty pe: YTG75TLV - OM), S/N: Y60V09130760	-
KVA/RPM/Kw	445KW	445KW	Standby 52 KW (65 KVA), Prime 48 KW (60KVA)	Standby 52 KW (65 KVA), Prime 48 KW (60KVA)	-
Volt/Hz/Amp			380 / 220 V, 91.16 A, 50 HZ, 3 Ph	380 / 220 V, 91.16 A, 50 HZ, 3 Ph	-

Machinery's	Merk / Type	Specification
Steering Gear System	AEB	D100L4,220-380V/2.2Kw/50Hz/3HP/IP55
Eltor Bilga/Ballast Pump	TECO3 Phase Elec Mtr	AEEBKB025R50FM, 2870Rpm/50Hz/380-415V/IP55
Eltor GS / Fire Pump	TECO3 Phase Elec Mtr	AEEBKB020005FM,2880Rpm/50Hz/380-415V/IP55
Eltor Fuel Oil Pump	TECO3 Phase Elec Mtr	AEEBKB040003FUB01,1425Rpm/50Hz/220-240V/2.2Kw/3Kw/IP55
Eltor Fresh Water Pump	Bossco taiwan	MT-43,1HP/50Hz/1 Phase/220V/5A
Bilga / Ballast Pump	Ebara	65X50 FS HA
GS / Fire Pump	Ebara	50X40 FS HA
Fuel Oil Pump	Oriental Koishin	GL40 - 5
Fresh Water Pump	Bossco taiwan	PT-190 BIT, Capacity 19L,Precharge Press 3 Bar, Pressure Max 10 Bar,Working Temperature -10 + 100 C
OWS	Hangzhou Chifeng Machinery Co Ltd, CYF 0.25	oily content of treated water < 15 ppm, rated 0.25 m3/h,
OWS(Motor)	Hangzhou Chifeng Machinery Co Ltd, DZ - 250	Discharge capacity 0.25 m3/h, 6 rpm, suction head 8 m, 4.25 KW, pressure head 0.29 Mpa
Fire Fighting Pump	Versa Pump	Size 5/4 In,150m3/H,Head 80 m,RPM 2600
Engine Driven Fifi Pump	Isuzu, PM4JBIT	Max oper Pressure 15 Psi, max Oper temperature 250° F



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Mooring Winch	Jiangsu Xinli Machinery Co. Ltd	Chain dia 16 m2, 9 m/min, 10.9 KN
Gear Box	Dong-I/DMTP6500	RATIO: 1 : 6,57
Alternator Generator Set 1 (portside)	Alternator : TAIYO Electric CO. LTD/ LX - G40A	S/N: -----, 1500 rpm, 50 Hz, 415 / 380V, 90.04 / 98.8 A, 3 phase, 4 pole, 40° C, insulation class 1, IP 23, 303 kg, Year 2013
Alternator Generator Set 2 (Starboard Side)	Alternator : TAIYO Electric CO. LTD	S/N:-----, 1500 rpm, 50 Hz, 415 / 380V, 90.04 / 98.8 A, 3 phase, 4 pole, 40° C, insulation class 1, IP 23, 303 kg, Year 2013