



TYPE	: PUSHER HARBOUR TUG (Towing, mooring, escorting and fire-fighting operations)	AUXILIARY EQUIPMENT	General sets 2 x Caterpillar C4.4 TA, 400V 107 kVA, 50 Hz or 440 V, 123 kVA, 60 Hz
YEAR BUILT	: 2018	General Service pumps	2 x Azcue CA 50/3A 20m ³ /h at 2.35 bar
PORT OF REGISTRY	: Port Kelang, Malaysia.	Bilge pump	Azcue CA 32/05 3.6m ³ at 1.1 bar
CLASSIFICATION	: Bureau Veritas 1 ⚓ HULL ● MACH Escort Tug (Bollard Pull = 80t) (maximum steering force = 75t, maximum braking force = 90t, maximum escort speed = 10 kn) Unrestricted Service AUT UMS Inwater Survey COMF-NOISE 3, COMF-VIB 3 Fire Fighting Ship 1 ø Llyod's Register [⚓] 100 A1 Escort Tug (Bollard pull = 85t) [⚓] LMC UMS IWS CAC 3	Fuel pump	Azcue CA40-1B 12.0m ³ /h
Painting	: Epoxy paint system	Fuel oil purifiers	2x CJC PTU3 27/81 MZ-E2PWZ
DIMENSION		Sewage treatment Plant	Tecnicomar ECOMar20
Length overall	27.59 m	Cooling system	Box cooling + anti-growth system
Beam overall	12.93 m	Hydraulic system	Main engine driven pumps
Depth at sides	5.20 m	FIFI sets	Main engine driven pump 1200, 2400 m ³ /h or ø with water spray
Draught aft	6.00 m	FIFI monitor	1 x 1200 or 2 x 1200 m ³ /h, water/foam
Displacement (approx.)	654 t	DECK LAY-OUT	
Gross tonnage	388 t	Anchors	1 x 430 kg Pool + ø 1 x 430 kg (Pool) (High Holding Power)
TANK CAPACITIES		Anchor winch	Electricity driven anchor winch warping head
Fuel oil	102.6 m ³	Towing winch	Hydraulically driven two speed pull 27 ton at 49 m/min, brake 200 ton
Fresh water	17.4 m ³	Rendering-Recovery	Pull/low speed 30 ton up to 27 m/min on 2 nd layer, pull/high speed 30 ton up to 44 m/min on 2 nd layer, rendering 112 ton up to 82 m/min on 2 nd layer
Lubrication oil	2.4m ³	Fendering	D-fender at sides, cylinder fender at transom corners, cylinder and W-block bow fender with water spray
Dirty oil	2.4m ³	ACCOMMODATION	For max. 10 persons (MLC 2006 compliant)
Sewage	5.6m ³	NAUTICAL AND COMMUNICATION EQUIPMENT	
Bilge water	4.7m ³	Searchlight	1 x Norselight 2000 W + ø 1 x Norselight 2000 w
Foam	8.7m ³	Radar System	1 x Furuno FAR 1518-BB + ø 1 x Furuno FAR 1518-BB
Dispersant	4.6m ³	Compass / GPS	Simrad GN70/HS80A
PERFORMANCES		Compass Magnetic	Cassens & Plath Reflecta 11
Bollard Pull ahead	85.0 t	Autopilot	Simrad AP-70
Bollard Pull astern	80.0 t	Echosounder	Furuno FE-800
Speed ahead	13.0 kn	Speed log	Furuno DS-80
PROPULSION SYSTEM		VHF Radio telephone	2 x Sailor 6222 (one with DSC) + ø 1 x Sailor 6215
Main engines	2 x Caterpillar 3516C TA HD / D	Navtex	Furuno NX-700A
Total power	5050 bkW (6772 bhp) at 1800 rpm	AIS	Furuno FA-170
Azimuth thruster	2 x Rolls Royce US 255 P30/P35 FP	SSB	Furuno FS-1575
Propeller diameter	3000 MM FIXTED PITCH	LRIT	Furuno Felcom 19
Forced ventilation	80,000 M ³ /H	EPIRB	Jotron Tron 60S
Exhaust emission	IMO Tier III compliant	Sart	Jotron Tron Sart20
		Inmarsat	Furuno Felcom 18
		Anemometer	Gill instruments GMX500
		BUILDER	Damen Shipyards Group
		OWNER	Kejora Resources Sdn Bhd

This vessel specification is given in good faith and assumed to be correct in May 2019

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GENERAL ARRANGEMENT

TUG NAME: KEJORA PTP 81

