

31M ASD Tug 70t Bollard Pull

General	
Type	ASD Tugboat
Build in	China
Year Built	2018
Class	ABS
Class notation	ABS +A1, towing vessel, +AMS, FiFi 1 with water spray, Unrestricted.

Dimensions	
Length overall	31.00M
Length W.L.	29.20M
Beam moulded	11.00M
Depth moulded	5.60M
Draft designed	4.30M
Gross Tonnage	463 Tons
Deardweight	138 Tons

Tankage (approx.)	
Fresh water	~30 M3
Fuel oil	~120 M3
Dirty oil tank	~3.5 M3
Dirty water tank	~3.5 M3
Ballast tank	~36 M3
Foam tank	~10 M3

Performance	
Speed	12 knots
Bollard pull (ahead)	~ 70 MT @100% MCR
Bollard pull (astern)	~ 55 MT

PROPULSION SYSTEM	
Engines	2 x Caterpillar 3516C, 2 x 2682 B.H.P. at 1600 rpm
Total Power	5364 bhp
Thruster	Two (2) SCHOTTEL SRP 1515FP rudder propeller sets c/w fixed pitch propeller in nozzle.
Power on input shaft	2000KW @ 1600rpm
Propeller	Skewed, 4-bladed, fixed pitch
Propeller diameter	2600 mm

AUXILIARY EQUIPMENT	
GENERATOR SETS	two (2) Caterpillar each 125KW 380v/50hz
Bilge & Ballast Pump	1 36m3/hr at 30M 380V/50Hz/3P. Maker: Azcue
FUEL PUMPS	1 20m3/hr at 30M 380V/50Hz/3P. Maker: Azcue
FIFI SET	total capacity over 2400M3/H

DECK EQUIPMENT	
Anchors,	2 high holding power anchors each about 675 kg
ANCHOR/TOWING WINCH	electric-hydraulic, Split towing drum & double wrap heads & double gypsies Nominal pull : 4Tx 0~10 m/min
Crane	Pafilger MODEL PK12000(M)B, 1 ton

Accommodation	
3 x 1 berth cabins	3 men
1 x 4 berth cabins	4 men
2 x 2 berth cabins	4 men
Total	11 men

COMMUNICATION EQUIPMENT	
Searchlight	2 x Searchlights of 2000w
Radar	type FURUNO FR-2117
Autopilot/Compass	NAVOTRON NT888G / 1set
GPS	FURUNO GP-170
Echo Sounder	FURUNO FE-700
VHF-FM	2 with DSC, model FUNURO FM8900S
Navtex	FUNURO NX-700B
AIS	FURUNO FA-150
INMARSAT-C	type FELCOM-18 SSAS
Anemometer	Airmar 100WX