



Type : Z-TECH HARBOUR TUG
Year Built : 2010
Port of Registry : Singapore
Class : Lloyd's Register of Shipping
 ⌘ 100 A1 Tug ⌘ LMC UMS

Dimensions
 Length Overall : 27.40m
 Breadth Moulded : 11.50m
 Draft Design : Not more than 5.20m
 Depth Moulded : 5.00m

Tonnage
 Net tonnage : 98 T
 Gross tonnage : 327 T

Speed : 12 knots

Bollard pull : 65 tonnes

Capacity
 Fuel : 96.0 m³
 Fresh water : 20.7 m³
 Foam : 3.0 m³
 Dispersant : 3.0 m³

Main engine
 Caterpillar 3516B
 - 2 X 2500 bhp at 1600 rpm

Propulsion
 2 X Schottel SRP 1215
 - Fixed 4 bladed propeller with twin azimuth thrusters

Generator
 Perkins 1006TWGM
 - 2 X 112KW, 3 phase, 4 wire, 415 volt, 50Hz, AC
 - Diesel driven

Deck Machinery
 Anchor Winch
 - MacGreggor Plimsoll
 - Electro hydraulic
 Towing Winch
 - MacGreggor Plimsoll
 - Single split drum
 - Brake holding capacity 150 tonnes
 - Electro hydraulic
 Deck Crane
 - Palfinger PK1000M
 - 1.6 tonne at 6 m reach

Navigational & Communication Equipment
 SSB Radio, Radar, Satellite Compass, Auto Pilot, Echo Sounder, VHF, GPS, Magnetic Compass, Draft Design, Navtex receiver, AIS, GMDSS (area A3), SSAS, Inmarsat mini-m, SART & EPIRB, Weather Fax

Fire Fighting System (half FiFi)
 - Caterpillar C18 Independent driven self priming centrifugal pump capacity 1,400 m³/hr at 12.5 bar
 - 2 x FFS fire monitor (600 m³/hr each)
 Throw Length: 100 meter
 Throw Height: 45 meter

- One set foam proportional system fitted
 - Self drenching system: Main deck
 Deck house
 Wheel house
 Carbon-dioxide flooding system for engine room
 Oil dispersant system 100 lpm by 2 boomless nozzles 5m spray (P+S)

Accommodation
 10 persons

Builder
 Cheoy Lee Shipyards Ltd.

Owner
 Keppel Smit Towage Pte Ltd

This vessel specification is given in good faith and assumed to be correct. December 2010



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GENERAL ARRANGEMENT

TUG NAME: KST ZODIAC

