



## TSC SAAM

### GENERAL:

Vessel	: Anchor Handling Tug Supply – Standby Rescue / Fire Fighting / Multi Purpose Offshore Vessels – 6400 BHP
Name	: TSC SAAM
Flag	: ST.KITTS & NEVIS
Class Notation	: 100A1, AHTS, Fire fighting Ship 1 Ship 1, (1500 M3 / h), with water spray
Builder	: PRM Offshore Heavy Industries Pte, Ltd. Singapore
Year Built	: 2011
Call Sign	: V4TG3
IMO No.	: 9503017

### PRINCIPAL DIMENSIONS:

Length Overall	: 66.00 m
Length Perpendicular	: 55.80 m
Breadth Moulded	: 14.00 m
Depth Moulded	: 6.60 m
Free Board	: 1.00 m
Draft Loaded	: 5.50 m
Gross Registered Tonnage	: 1991 tons
Net Registered Tonnage	: 597 tons
Deadweight	: 1800 tons
Deck Space	: 39.0 M x 12.0 M wood sheeting
Deck Strength	: 10 metric ton/sq.ton
Deck Cargo	: 800 metric ton

### MACHINERY / PROPULSION:

Main Engine	: 2 x Yanmar 8N 280M-EV @ 3200 BHP 720 RPM Total 6,400 BHP
Auxiliary Engine	: 3 x CAT 3412C DITA + 2 X CAT 3408C DITA +1 x CAT 3406C DITA + 1 x CAT C4.4 DINA
Generators	: 3 x 590 KW + 2 x 370 KW + 1 X 320 KW + 1 X 76 KW all generators 240/440 V, 3 phase, 60 Hz
Bow Thruster	: 2 x Kawasaki KT-8883 CPP 550 KW tunnel thruster of Four bladed skewed type of 1.650 m diameter giving 2 x 9.0 ton lateral thrust
Propellers	: 2 x Kawasaki Rexpeller KST 220 ZC/B CPP OF 2.70 m

### CARGO PUMPS / DISCHARGE CAPACITIES:

Bas Oil	: 2 x Mission Magnum 4x3x13 capacity – 2 x 100 cum/hr @ 80 m head
Bilge/Ballast/Fire Pumps	: 2 x Bombas Azcue CM-EP50/333 capacity – 2 x 60 cum/hr @ 40 m head
Brine Pump	: 2 x Bombas Azcue CM-EP-125/50R capacity – 2 x 150 cum/hr @ 80 M head
Cement Compressors	: 2 x Tamrotor ULM160-6 cum/min @ 5.6 bar capacity 30.1 m3/min complete with 2 x Hiross MDE33 W air dryer
Drill Water Pump	: 2 x Bombas Azcue CM-EP-80/40 capacity - 2 x 100 cum/hr @ 80 m head same as Brine Pump
Fresh Water Pump	: 2 x Bombas Azcue CM-EP-80/40 capacity – 2 x 100 cum/hr @ 80 m head
Fuel Oil Cargo Pump	: 2 x Bomemann VHC147-54 capacity – 2 x 100 cum/hr @ 80 m head
Hydraulic Oil Transfer	: 1 x bombas Azcue BT-IL45D capacity 7.8 cum/hr at 20 m head
Lube Oil Transfer	: 1 x bombas Azcue BT-IL45D capacity 7.8 cum/hr at 20 m head
Mud Circulating Pump	: 2 x Mission Magnum 3x2x13 capacity - 2 x 30 cum/hr at 30 m head
Mud Pump	: 2 x Mission Magnum 4x3x13 capacity - 2 x 80 cum/hr at 60 m head

### PERFORMANCE:

Bollard Pull	: 88.8 metric ton
Speed Cruising Econ	: 12 knots on about 13 metric ton/24 hour
Speed Cruising Maximum	: 14 knots on about 16 metric ton/24 hour

### ACCOMMODATION:

Upper Fore Castle Deck	: 2 x 4 men; 2 x 1 man cabin; 1 x 2 men cabin
Fore Castle Deck	: 7 x 4 men cabin; 1 x 2 men; 1 x ship's office
Main Deck	: 1 x ship's hospital / sick bay; 1 x Galley
Mess Lounge	: 1 x 20 men crew mess, 1 x 10 men office mess
Total Complement	: 42 men
Cooling Room	: 8 cum – temp 2°C
Freezing Room	: 8 cum – temp 20°C

Propellers : 2 x Kawasaki Rexpeller KST 220 ZC/B CPP OF 2.70 m diameter propellers skewed type in kort nozzle steerable through 360 direction giving outstanding maneuverability and thrust control in every direction

**CARGO CAPACITIES:**

Base Oil : 229 cu.m  
Brine : 360 cu.m  
Bulk Cement : Ulstein 4 x 1500 cu.ft total of 6,000 cu.ft, each tank dimension 4300 mm dia x 4000 mm height, top and bottom dome, system has two segregation and is capable of discharging two different grades of cargo simultaneously through two separate discharge lines  
Dirty Oil : 7.7 cum  
Dispersant : 14.5 cum  
Drill Water : 360 cu.m  
Foam : 14.5 cum  
Fresh Water : 281 cu.m  
Fresh Water Maker : 1 x Technicomar MD2000 Reverse Osmosis Type capacity 5.5 metric ton /24 hour  
Fuel Oil : 834 cu.m  
Hydraulic Oil : 14.5 cum  
Lube Oil : 14.5 cum  
Mud/ Baes Oil : 233 cu.m  
Sewage : 11.3 cum

**LIFE SAVING / FIRE FIGHTING / POLLUTION CONTROL EQUIPMENT :**

Fire Extinguisher : CO2 Flooding system engine room compartment  
Fire Monitor : 2 x Jason Eureka monitor model MM602EED-V-01 foam/ water capacity 1200 cum/hr 11 bar remote control joystick FIFI – I Class  
Fire Pump : 2 x Kvaerner OGF250X350 pump capacity each 1500 cum./hour at 150 m height at 15 bar PTO by Jason Eureka step up gear box SRG.C-255VK-01  
Fire Station : 12 complete with hoses and nozzles  
Life Buoys : 10 ring buoys c/w lights and cordage  
Life Rafts : 6 x 20 men, inflatable life rafts  
Rescue Boat : 1 x Seabear 23MKII of aluminium hull 10 persons c/w Yanmar Diesel Engine 4LHA-STP @ 230 HP 4 cylinder and PP 90 Water jet to achieve top speed of 32 knots c/w davit launching HL9MOB3500  
Rescue Zone : Port and Starboard clearly marked at forward main deck 2 m wide gate opening  
Spray Boom : 2 x 5 m port/ starboard fitted with spray flat nozzles 40 degree spray angle