

# STANFORD BRAVO

## 5150 BHP Anchor Handling / Supply Vessel (DPS 1)



### PRINCIPAL PARTICULARS:

Year Built	: 2008
Length Overall	: 58.70 m
Breadth Moulded	: 14.60 m
Depth Moulded/Draft	: 5.50 m
(Max)	: 4.50 m
GRT/NRT	: 1627/488
Class	: BV – Class 1, Hull, Mach, Tug, Supply
Flag (Port Registry)	: Labuan, Malaysia
Call Sign	: 9WNI7
IMO #	: 9536545

### PERFORMANCE:

Maximum Speed	: 13 knots
Economical Speed	: 10 knots

### CARGO CAPACITIES:

Deadweight	: 1320.6 mt
IEE	: 400 T
Deck Strength	: 7 mt/m <sup>2</sup> uniform loading
Clear Deck Area	: 370 m <sup>2</sup>
Fuel Oil	: 721 m <sup>3</sup>
Fresh Water	: 228 m <sup>3</sup>
Ballast/Drill water	: 226 m <sup>3</sup>
Liquid Mud	: 259 m <sup>3</sup>
Cement Tank	: 187 m <sup>3</sup> ( 4 x 1650 ft <sup>3</sup> )
Freezer/chiller	: 10 m <sup>3</sup> / 10 m <sup>3</sup>
Foam / Detergent	: 13 m <sup>3</sup> / 13 m <sup>3</sup>

### PUMPS:

Fuel Oil	: 1 x 150 m <sup>3</sup> /hr @ 75m head
Fresh Water	: 1 x 100 m <sup>3</sup> /hr @ 75m head
SWB/Drill Water	: 1 x 100 m <sup>3</sup> /hr @ 75m head
Liquid Mud	: 2 x 70 m <sup>3</sup> /hr @ 75 head
Bilge/Ballast/Pump	: 2 x 75 m <sup>3</sup> /hr @ 40m head
GS/ Fire Pump	: 1 x 75 m <sup>3</sup> /hr @ 40m head
pluvš	: 1 x 13 m <sup>3</sup> /min @80 psi air compressors
Kopje System	: 2 x 6 m booms c/w 6 nozzles each

### TOWING & ANCHOR HANDLING EQUIPMENT:

Bollard Pull	: 69 mt
Anchor Windlass	: 1 x electro-hydraulic Mentrade
Gypsies	: suit for 40mm (Ø) chains rated pull 9mt @ 12 m/min
Warping Drum	: 40 mm (dia) x 450 mm (L) rated pull 2 mt @ 10 m/min
Bow Anchors	: 2 x 1305 kg HHP anchors
Anchor chain	: 220 m (L) x 40 mm (dia) Grade U2 ( each side)
Capstan	: 2 x 5 mt @ 15m/min electro hydraulic
Towing / AH Winch	: 1 electro-hydraulic double drum
Upper Drum cap (Tow)	: 1000m (L) x 56 mm (Ø) SWR
Lower drum Cap (AH)	: 1000m (10 X 56 MM (Ø) SWR

### TOWING & ANCHOR HANDLING EQUIPMENT:

Line Pull	: 150 mt @ 6.0 m/min at 1 <sup>st</sup> layer 71 mt @ 12 m/min at 1 <sup>st</sup> layer 23.5 mt @ 36 m /min @ 1st layer
Tugger Winch	: 2 x 10 mt @ 15 m/min electro-hydraulic
Drum Capacity	: 200 m (L) x 22 mm (dia) SWR
Stall Pull	: 165 mt @ 1 <sup>st</sup> layer
Brake Capacity	: 200 mt static @ 1 <sup>st</sup> layer Remote Control from aft control stand in wheelhouse
Stern Roller	: 5.00 m (L) x 1.60 m (dia) SWL 200 mt
Shark Jaws	: 1 x electro hydraulic Karmfork - SWL 200 mt
Tow Pins	: 2 x electro hydraulic with turntable top flaps
Rope Reel	: 1 x electro hydraulic Men trade suit for 1000 m (L) x 56 mm (dia) SWR
Deck Crane	: 8.5T @ 3.5M

### PROPULSION SYSTEM:

Main Engines	: 2 x 1920 kw (2575 BHP) @ 1600rpm Cat 3516B
Main Generators	: 3 x 350 kw @ 1500 rpm / 415
Emergency Generator	: 1 x 65 kw @ 1800 rpm / 415V / 3Ph / 50Hz CAT.CA.4 DITA
Bow Thruster	: 1 x 515 kw electric driven Kawasaki KT- 72B1 tunnel type (CPP): 6T thrust
Steering Gear	: 2 x Kobelt; 4.3Tm; 35deg
Propulsion	: 2 x CPP in kort Nozzles: ZF
Rudders	: 2 x high performance streamline type

### RADIO AND NAVIGATION EQUIPMENT:

GMDSS (Area 3)	: 1 x SSB
2 x Inmarsat C (1 for SSAS & for LRIT)	: 2 x VHF Radio (Fwd & Aft Console)
1 x Navtex Receiver	: 2 x SART
1 x EPIRB	: 3 x Portable VHF Radios
2 x Radar (X-Band & S-Band Radar)	: c/w (3 spares battery)
1 x Echo Sounder	: 1 x Weather Fax (Not in use)
1 x GPS	: 1 x Gyrocompass
1 x Autopilot	: 1 x Speed Log
2 x Wind Indicator (Fwd & Aft Console)	: 1 x AIS
Vessel also fitted with Vingtor PA Talkbalk System @& Self Powered Telephones.	

### ACCOMMODATION:

Berths	: 4 x 1 berth cabins = 4 1 x 2 berth cabins = 2 13 x 4 berth cabins= 52 Total 58 men
Hospital	: 1 x 1x berth cabin = 1 x Berth

### MISCELLANEOUS:

Life Rafts	: 6 x 25 men SOLAS approved type
Rescue Boat	: 1 x 6 men inflatable c / w outboard motor
Oily Water Separator	: 1 x 1 m <sup>3</sup> /hr c/w 15 ppm alarm
Water Maker	: 1 x 5 m <sup>3</sup> /day reverse Osmosis
Sewage Treatment	: 1 x 65 men

### FIRE FIGHTING EQUIPMENT & ANTI-POLLUTION EQUIPMENT

FiFi System	: Class 1 with water curtain all around
Fire Pump	: 2 x 1500 m <sup>3</sup> /hr @ 13 bar, FFS driven by front PTO of M/E
Monitors – (water-Foam)	: 2 x 1200 m <sup>3</sup> /hr, FFS
Emergency Fire Pump	: 1 x 25 m <sup>3</sup> /hr @ 4.5 bar
BA Recharging Comp	: 1 x 75 ltrs/min @ 200 bar; CO2 system in engine room