



ANGGOTA INSA
NO : 1482/INSA/V/2008

Perusahaan Pelayaran & Angkutan Laut

PT. KARYA JAYA SAMUDERA

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TB.KJ-22 TUG BOAT

S Type Of Vessel
TUG BOAT

H Builders : Batam, 2015

I Flag : Indonesia

P Classification : BKI

S Call Sign : YDA 3859

P IMO : 9807865

S Dimension

P L.O.A : 25.00 M

A Length B.P : 23.45 M

R Breadth : 7.60 M

T Depth : 3.20 M

I Draught : 2.40 M

C GRT : 172

U NRT : 52

L Capacities

A Fuel : 60.000 ltr

R Water : 50.000 ltr

T Clear Deck : 60 M² (10. M x 6 M)

I Propulsion / Machinery

C 2 x Main Engine (CumminsKTA 19 M3)
each 600 HP ; 1800 RPM with 2 x Gear Box

U Gearbox : T.300 A Ratio 1 : 6

L 2 x Auxiliary Engine 60 KW

A Type : DEUTZ WEICHAI

R 1 x Emergency A/E 35 KVA

T Type : MAGNAPLUS

I Deck Machinery

C Anchor : 2 unit Anchor cap
@ 350 Kgs w/ Chain's Length @ 135 mtr

U Performance / Fuel Consumption

L Eco Speed : 8 knots = 85 ltr/hour

A Full Speed : 10 knots = 95 ltr / hour

R Bollard Pull : 12.50 MT

T Fire Fighting

I 2 Unit Independent FIFI System Capacity -
Each 150 m³/hour with :

C 2 unit fire monitor Capacity 150 m³/hour @ 10 bar

U 6 Fire Extinguisher consist :

L : 5 unit Fire Foam @ 6 kgs

A : 1 unit CO2 @ 6 kgs

R Spare Pump : 1 unit Alcon

S : 1 unit Electric Pump

CO₂ System In Engine Room



Navigation / Communication

Radar : Furuno RDP - 142

Echo Sounder : HAIYANG / HD-70

SSB : Furuno FS - 1503

Radio VHF : ICOM IC - M 412

: SIMRAD RS - 10

GPS : Furuno GP 32

Sat comm : Satelite Pasti

Compass : Daiko Keiki 8"

Stering : Dual Stering

Accommodation

2 x 1 Man

1 x 2 Man

2 x 4 Man

Total : 12 Persons

Safety Equipment

2 Life Raft with Capacity 15 Persons

30 Life Jacket & Helmet

8 Ring Buoy

2 Signal Parachute

Button Emergency stop in door and wheel house , for ME & AE

Towing Hook Automatic Release In wheel house

Heat and smoke detector alarm

Engine Room water level alarm

Fire alarm

Other Equipment

Oil Water Separator

Travo for weld Cap 20 KVA

1 unit Air Condition Prefereable Central System

1 unit Refrigerator

1 set Audio

1 set Kitchen Equipment

KANTOR CABANG :

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