

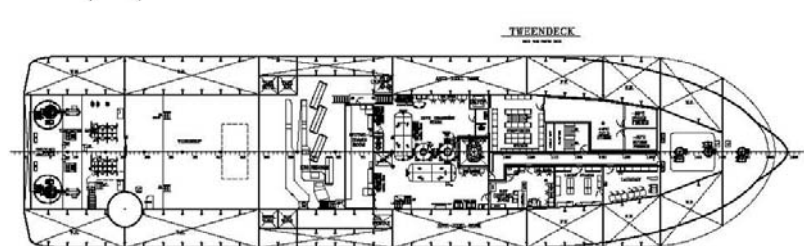
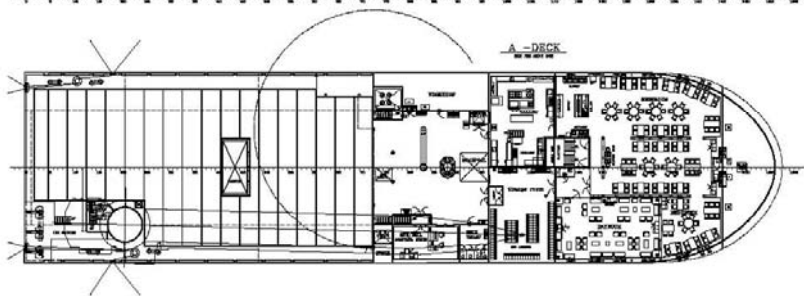
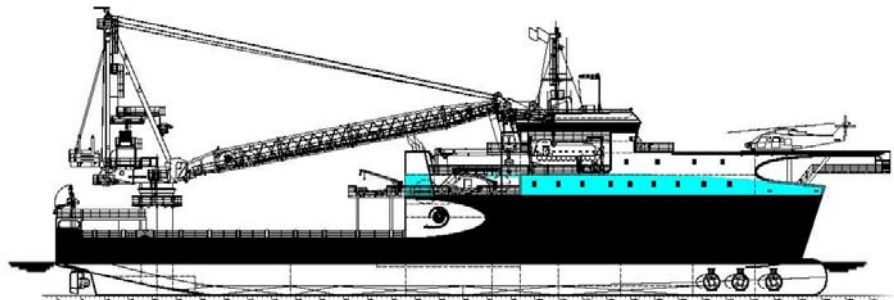
# Diving Support Vessel for Maintenance and Construction Operations (NB 424/425/429)

## Suitable for:

- Diving operations to 300 meter water depth
- Offshore construction and inspection maintenance and repair works
- Lifting operations up to 300 tons

## Main Features:

- 12 man Sat Dive system
- 250 persons accommodation
- 300 tons main crane
- Work deck area more than 1000 m<sup>2</sup>



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# Diving Support Vessel for Maintenance and Construction Operations (NB 424/425/429)



## Main particulars

Length, overall: 105.13 m  
Breadth, moulded: 24.00 m  
Depth to maindeck: 7.00 m  
Operating draft: 4.00 m  
Deadweight: 5500 ton  
Speed: 11.0 Knots

Classification:  
LRS 100 A1, LMC, DPS-AA,  
FiFi II  
Note: Support vessel

Flag: Solas special purpose  
ship Mexican Flag

## Propulsion Machinery

Propulsion: Diesel Electric  
Generator sets: 4 x Caterpillar  
3516 @ 1825 kW each  
Total installed power from main  
gensets: 7300 kW  
Current: 480 V / 60 Hz

Main thrusters units: 2 x 1500 kW  
Fixed Pitch Propeller Azimuth  
units  
Bow thrusters units: 3 x 900 kW  
transverse tunnel thrusters, each  
Fixed Pitch Propeller

Emergency / harbour power set: 1  
x 425 kW

## Dynamic Positioning

Redundant Dynamic  
positioning system: NAVIS  
DP system on aft bridge and  
control station at forward  
navigation bridge

Reference systems:  
1 x Radius 1000  
2 x DGPS Receivers  
3 x Gyro Compass  
2 x Motion reference units  
2 x Wind sensors  
1 x Hydro acoustic system  
1 x Laser scan system

DP position keeping upto:  
Beam seas 35 knot wind



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## Diving System

12 person sat dive system:  
1 x 6-man and 1 x 4-man  
double lock chamber, heave  
compensated bell handling  
Hyperbaric lifeboat  
Moonpool with clear opening  
of 3.6 x 3.6 mtr  
Dive bell control room  
Sat control room

## Navigation Equipment:

Magnetic compass  
Radar, 12 ft scanner  
Radar, ARPA, 6.5 ft scanner  
Navtex  
Echosounder, 200 / 50 kHz  
transducer  
Doppler log  
5 gyro repeaters on various  
positions  
Day signalling lamp  
Air whistle

## Accommodation

Fully airconditioned

Accommodation for 250 persons

- 1, 2 and 4 men cabins
- separate client offices and  
cabins
- Messroom
- Dayroom
- Cinema
- Internet office
- Various offices
- Meeting/board room
- Hospital/treatment room
- Laundry
- Linnenstore
- Galley
- Provision-stores
- Coldstore
- Freeze stores
- Navigation bridge with 360  
degree view

## Communication

External:

2 x Inmarsat Satcom C  
1 x Inmarsat Satcom B  
1 x Radio telephone  
installation, MF/HF DSC  
2 x VHF radio - telephone  
transceiver DSC, full duplex  
2 x SART Radar  
transponders  
1 x Epirb, hydrostatic release  
3 x Portophones GMDSS

Internal: Automatic telephone  
exchange system.

## Crane capabilities

Main crane: Liebherr BOS  
7500 crane 300t @ 20m,  
underwater capacity 50 t @  
200 m

Auxiliary crane :  
Auxiliary crane pedestal type,  
10 t @ 15 m

## Deck / Heli-deck / Mooring

Total deck area 1000 m<sup>2</sup>

Helideck: Suitable for bell 412  
and helicopters with "D" value of  
less than 22 mtr.

Mooring system:  
Foreship mooring / anchor  
winches with warping heads,  
chains and anchors, capstans  
aftship

## Various

Fuel oil capacity: 600 m<sup>3</sup>

Firefighting equipment: Fi-Fi  
2 with 3 monitors, total  
capacity 7200 m<sup>3</sup>/hr each. On  
the helideck a fixed foam  
system with 2 monitors

Lifeboats: 2 enclosed  
lifeboats, each 102 persons,  
one Hyperbaric rescue craft.

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