

# DSV KELLY ANN CANDIES

## 277' DP2 Dive Support Utility Vessel



- Anode Replacements
- ROV Support
- Well Stub Salvage
- Platform IMR
- Pipeline IMR
- Pipeline Construction & Decommissioning
- Pipeline Marking
- Debris Removal

This Jones Act Compliant DP2 vessel is ideally suited for supporting surface air diving operations to 150 feet and saturation diving operations to 1,000 feet. It is highly regarded for DSV support and platform and pipeline inspections, maintenance and repairs (IMR). The *DSV KELLY ANN CANDIES* is outfitted with an integrated, built-in, DNV Classed 14-man Drager Saturation Diving System complete with Self-Propelled Hyperbaric Lifeboat (SPHL) and is IMCA compliant. The vessel is equipped with a deck mounted IMCA compliant Surface Diving System and work class ROV.

Comfortable berths allow the boat to accommodate 76 people.

### MACHINERY & EQUIPMENT

Main Engines:	4 x 3512 Cat = 1700kW/ each
Tunnel Thrusters:	TT4 / 2.0m diameter CPP (Schottel)
Stern Thrusters:	SRP 1515 / 2.8m Diameter Variable Speed 4 Blade (Schottel)
Goodcrane Crane:	60 ton Knuckle Boom Crane
Crane Offshore Rating:	60 ton @ 10m
Crane Maximum Wire Length:	2,000 ft.
A-Frame:	30 ton A-frame with active heave compensated winch
Wire Length:	3,000 m

### ELECTRONICS & COMMUNICATIONS

Navigation:	Furuno GMDSS Model 1815, Furuno FAR2137s/12 S-Band Radar, Furuno FAR2117/6.5 X-Band Radar, Furuno FE\$700 Echo Sounder, Furuno DS-50 Doppler Speed Log
Communications:	Satellite communication system capable of voice and video conferencing available throughout the vessel

### DOCUMENTATION

Class:	USCG, +100A1, LMC, 1NA1, LMC, DP2, ES(Clisan Dosing), UWILD, General Cargo, MARPOL, SOLAS, IMO
Vessel Type:	DSV
Flag:	USA
Built:	2012

### DIMENSIONS

Length:	277 ft.
Breadth Moulded:	59 ft.
Depth Moulded:	24.3 ft.
Cargo Deck:	1,512 ft.

# DSV KELLY ANN CANDIES

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HELIDECK	
Helideck is designed according to CAA regulation and is suitable for a Sikorsky S76 and smaller helicopter.	
MANEUVERING	
Dynamic Position System:	Kongsberg K-Pos DP2
Independent Joystick Control:	Kongsberg CC 1 C-Joy
Position Measuring Equipment:	2 x DGPS (Trimble DSM 232) 2 x DGPS (Veripos CO25) 1 x RADIUS (Kongsberg 1000) 1 x HiPaP
Heading References:	3 x C-Plath Navigat X Mk 1
Environmental Sensors:	2 x Wind sensors 2 x MRU
PERFORMANCE	
Speed:	12 knots service speed-14.5 maximum knots
Fuel Capacity:	209,600 gallons
Gross Tonnage:	5,289 GT ITC
Net Tonnage:	1,586 NT ITC
ACCOMMODATIONS	
Quarters:	Berthing for 76 people
Client Space:	Multiple 1 man state rooms/offices
Cinema:	Private cinema located on main deck with stadium seating and big screen TV with surround sound
Gymnasium:	Gymnasium below main deck equipped with weight machines and exercise equipment
Conference Room:	Private conference room with internet and video conferencing, business center with internet and voice communication, semi-private ship's office located in pilot house, comfortable meeting area and helideck staging area.
Hospital:	Fully equipped, 6-bed hospital located on B-Deck

SAT SYSTEM	
Mission Requirements:	Time: 24 hrs diving per day Depth: 220 msw Duration: 40 days
Maximum working depth:	300 msw
Breathing gas:	HeO <sub>2</sub> , O <sub>2</sub> and air
Maximum manning level in chambers:	14 persons in 3 chambers
Maximum number of divers in bell:	3 persons
SPHL Capacity:	1 unit 14 pax each
HP Gas Storage:	35 tubes @ 207 bar x 2.4 m <sup>2</sup>
Divers Gas Reclaim:	1 unit
System Exhaust Gas Reclaim:	1 unit with gas bag
Gas Pure System (Filtration):	1 system
HeliPure System (molecular sieve):	1 unit
Dive Control:	Main Deck
Saturation Chamber Control:	Tween Deck
Weather environment air temperature range:	-10°C to 45°C
DDC area and machinery room temp range:	15°C to 35°C
Sea water temperature:	-2°C to 39°C
Relative humidity:	Up to 100%

