

Normand Seven

7



Type:
Construction /
Flexlay (Horizontal)

Classification:
DNV 1A1, DYNPOS AUTRO,
E0, CLEAN DESIGN,
COMF-V(3) C (3), HELDK-
SH, SF, ICE C, CRANE;
Register notations DK(+),
TMON ; Compliance with
NAUT OSV Class

The *Normand Seven* is a construction / flexlay (horizontal) vessel fitted with an advanced flexible pipelay system capable of operating in water depths of up to 2,000m with a top tension capacity of 300t.

- Length 130m x breadth 28m
- Heave compensated 250t crane
- Up to ten storage reels for flexible pipe on deck
- 2 x workclass ROVs rated to 3,000m
- Two electrically driven stern mounted azimuth thrusters with controllable pitch propellers
- Two bow tunnel thrusters, a retractable azimuth thruster forward and one stern tunnel thruster
- Class 3 DP System

Normand Seven

General Information

Classification	DNV 1A1, DYNPOS AUTRO, E0, CLEAN DESIGN, COMF-V(3) C (3), HELDK-SH, SF, ICE C, CRANE; Register notations DK(+), TMON ; Compliance with NAUT OSV Class
Built	Poland, Norway
Flag	Norwegian (NIS)
Port of Registry	Skudeneshavn, Norway

Dimensions

Length Overall	130m (approx)
Breadth	28.0m
Depth	12.0m
Draft	8.8m
Draft (summer)	8.2m
Gross Tonnage	14,000t (approx)
Deadweight	10,000t (approx)

Manoeuvring and Propulsion Systems

Main Engines / Generator	4 x 2,760kW 2 x 3,960kW
Manoeuvring	2 x 1,500kW tunnel thrusters fwd 1 x 2,000kW retractable azimuth thruster fwd 1 x 1,500kW tunnel thruster aft
Propulsion	2 x 5,000kW azimuth thrusters

Dynamic Positioning Systems

DP Classification	IMO DP Class III
DP System	Kongsberg Simrad
Reference Systems	2 x DGPS 1 x Fan beam 2 x HIPAP 500 1 x Radius 1,000

Speed / Consumptions

Service Speed	16.5 knots
---------------	------------

Tank Capacities (100%)

Fuel Oil	2,420m ³
Marine Diesel Oil	700m ³
MF-HD Oil (dual purpose)	450m ³
Fresh Water (total)	900m ³
Ballast Water	6,920m ³

Cargo Deck

Cargo Deck Area	2,000m ²
Deck Strength	10t/m ²

Deck Cranes

1 x Heave Compensated Offshore Crane	Capacity: 250t @ 14m 100t @ 20m Wire Length: 2,000m
1 x Electro-hydraulic Knuckle-Boom Crane	Capacity: 15t @ 30m 35t @ 20m
2 x Electro-hydraulic Folding Cranes	Capacity: 1.5t SWL @ 15m
2 x Electro-hydraulic Knuckle-Boom Cranes	Capacity: 5.0t SWL @ 20m
1 x Electro-hydraulic Telescopic Crane	Capacity: 1.5t SWL @ 6m

ROV Systems

Two Hercules workclass ROVs rated to 3,000m with full support services, operated out of hangers on the port and starboard sides. One garaged unit (starboard side) and one free swimming unit (port side) are installed and both are operated and controlled from the ROV Control Room within the vessel.

Pipelay System

The vessel is fitted with a laydeck system, suitable for flexible product deployment and with a maximum tension capacity of 300t at 500m/hr paying in and 700m/hr paying out. Two tensioners, each rated at 150t, are installed, capable of handling flexible pipe from 96mm to 500mm.

Flexible product is stored on 10 reels, each with a capacity of 210t. Reels can be 7.8m, 8.6m or 9.2m diameter. The vessel can accept a 19.0m diameter carousel (not currently fitted) in the cargo hold for flexible pipe.

There is one A&R winch of 300t and an auxiliary which of 65t, both fitted with 2,500m of wire. There is also an active heave compensated winch of 20t, fitted with 2,500m of wire. An A-frame is installed at the stern and fitted with a 300t winch for overboarding.

Accommodation

100 persons	
Single Cabins	40
Double Cabins	30
Hospital	1

Helideck

The helideck is designed to helicopter D-value 22.2m (Sikorsky S-92), with a design load of 12.7t.