

Lochnagar

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Type:
Construction /
Flexlay (Horizontal)

Classification:
DNV, DYNPOS ATR

The *Lochnagar* is a construction / flexlay (horizontal) vessel specifically equipped for the installation of flexible pipelines in up to 2,000m water depth with a top tension capacity of 255t.

- Length 106.4m x breadth 23m
- 255t A-Frame
- 2 x 30t offshore cranes
- 2 x workclass ROVs rated to 2,000m
- Up to 16-inch diameter products
- Products are stored in two underdeck carousels (1,350t and 1,500t)

General Information

Classification	DNV +1A1 HELDK EO DYNPOS-AUTR
Built	1982
Converted	1998
Upgraded	2005
Flag State Authority	Isle of Man
Port of Registry	Douglas

Dimensions

Overall Length	106.4m
Breadth	23.00m
Depth	9.7m
Draught (summer)	5.79m
Deadweight	4,176t
Gross Tonnage	6,409t
Net Tonnage	1,923t

Manoeuvring and Propulsion Systems

Main Engines	3 x KVG-12 x 1,520 kW 1 x KVGO-12 x 2,335 kW
Aux. Engines	3 x Caterpillar 3,508B 910 KW
Bow Tunnel Thrusters	2 x 736 kW
Azimuth Thruster (bow)	1 x 883 kW
Azimuth Thruster (stern)	3 x 1,840 kW
Speed	10 - 11 knots

Dynamic Positioning Systems

DP Classification	DYNPOS AUTR (Class II)
ERN Rating	99,99,93
DP System	Kongsberg Simrad SDP 21

Tank capabilities (100%)

Fuel Oil	1,622.5m ³
Fresh water	655.2m ³
Ballast water	3,714.5m ³
Lub. Oil	20.1m ³
Sewage	18m ³

Deck Cranes & A-Frame

Main Deck Crane I	30t at 16.7m (man riding)
Main Deck Crane II	30t at deck level 20t at 2000m
Auxiliary Deck Crane I	6t at 14.5m (knuckle boom)
Auxiliary Deck Crane II	5t at 20m (knuckle boom)
A-Frame SWL	255t
Max Dynamic Cargo	255t (using 255t winch)
Max Static Cargo	196t (using 255t winch)

ROV Systems

The vessel is fitted with two workclass ROVs able to perform observation, survey and intervention operations in water depths up to 2,000m.

Pipelay Systems

The vessel is fitted with two 127.5t tensioners with a maximum top tension capacity of 255t and for flexible products up to 16 inch diameter.

Two underdeck carousels are provided. The forward carousel has a maximum capacity of 1,350t and the after carousel a maximum capacity of 1,500t.

Two abandonment and recovery winches (75t and 255t) are both rated for operations in water depths up to 2,000m.

Accommodation

73 persons

Helideck

The vessel is fitted with an approved and certified helideck suitable for Bell 212, Bell 412, S76 or equivalent helicopter operations.

Communications Systems

The vessel is fitted with a full suite of communications equipment and systems.