

# *M/V Northern Canyon*

## *DP II, UT-745 ROVSV*

The dynamically positioned ROV support vessel *Northern Canyon* has been designed to meet the demands of the deepwater offshore market.

The *Northern Canyon* offers technically advanced ship systems, crew and client amenities with multiple work ROV system options. The vessel has been built to new “Clean Comfort” standards and features “quiet” thrusters, modern work and living facilities as well as reliable communications including e-mail, K-band satellite, cellular and MARSAT links.

Canyon Offshore has invested in the long-term charter of this high quality asset to provide a fully integrated deepwater support vessel for our clients.

The UT-745 design is one of the most reliable and proven vessel designs in the world today. The *Northern Canyon* design is robust, offering a large deck area and flexible configuration capabilities.



The vessel can be outfitted with a suite of ROV system options including:

- Work class ROV systems
- Trenching/burial systems
- Any combination of the above

#### **CLASS**

DNV + 1A1, SF, EO, DK=, HL(2.8), T-MONM Dyn Pos

AUTR(DP2), LFL\*, OIL REC, Clean, COMF-V(3)C(3)

#### **APPLICATIONS**

The vessel is well suited to perform multiple combinations of the following applications:

- Deepwater ROV services
- Cable burial
- Flowline and umbilical burial
- Subsea construction
- Field maintenance and intervention
- Survey and salvage
- Pipeline installation support
- Offshore lifts to 50 tonnes (AHC)
- Oil recovery
- Deepwater project support
- Fire fighting per DNV class requirements

#### **ACTIVE HEAVE COMPENSATED OFFSHORE CRANE**

The *Northern Canyon* offers a state of the art, DNV class, 50 tonne offshore crane. The crane is active heave compensated with 1,200m of wire on the crane winch reel. It will allow "soft" landing of subsea components including valves, subsea trees, rigid or flexible jumpers, flying leads, frames and other subsea equipment.

#### **GENERAL SPECIFICATIONS**

- Length overall: 85.25m (279'7")
- Length between p.p.: 76.20m (250')
- Breadth molded: 18.80m (61'7")
- Depth main deck: 7.60m (24'11")
- Max draught: 6.25m (20'6")
- Cargo deck area: 900m<sup>2</sup>
- Deck cargo: 2,400 T
- Deadweight at D 6.2m: 4,000 T
- Gross tonnage: 4,000 T

#### **DP CLASS II: DYN AUTR DNV + 1A1 DP SYSTEMS**

- Kongsberg Simrad: DP421
- Joystick control stations: 5
- DGPS inputs: 2
- Fanbeam laser: 1
- Robertson gyro: 3
- Wind sensor: 2
- MRU5 motion sensor: 2
- HiPAP 500 transducer: 1
- Second hull transducer optional (through hull pole and gate valve installed)

#### **NAVIGATION COMMUNICATION**

- 1 x 10 cm ARPA, S-band radar
- 1 x 3 cm True Motions, X-band radar
- Radio installation according to GMDSS-A3 with two Immarsat C terminals
- SATCOM Felcom 81 Standard B
- VHF
- UHF
- K-band satellite
- Robertson autopilot
- GSM cellphone with PABX
- Full intercom/ships telephone
- Telefax
- E-mail

#### **ACCOMMODATION**

- Accommodation and safety equipment for 58 individuals
- 14 single, 22 double cabins

#### **PROPULSION**

- 2 x Independent propulsion systems
- 2 x Main engines, type Ulstein Bergen BRM 9 3,975 kW each (total 10,800 BHP)
- 2 x Kamewa Ulstein main propeller systems

#### **PERFORMANCE**

- 15.0 knots at light draft
- 13.5 knots at full draft

#### **GENERATOR SETS**

- 2 x 738 kVA/590 kW-440 V – 60 Hz

#### **SHAFT GENERATORS**

- 2 x 3,000 kVA/2400 kW-380/440 V – 50/60 Hz each

#### **SIDE THRUSTERS (ELECTRIC)**

- 2 x Kamewa tunnel thrusters, aft, 883 kW
- 2 x Kamewa Super Silent thrusters, forward, 883 kW

#### **ROLL DAMPING SYSTEM**

- Ulstein passive stabilizing system, 3 tanks

#### **TUGGER WINCHES**

- 2 x 10TM Rauma Brattvaag tugger winches, forward cargo deck

#### **CAPSTANS**

- 2 x 10TM Rauma Brattvaag capstans, aft cargo deck

#### **WORKING CRANE**

- 1 x Offshore crane 50TM-Hydralift A/S
- Active heave compensated design
- Accumulator system
- DNV class load certification
- 1,200m wire winch

#### **WORKING MOONPOOL**

- Wire moonpool flared
- 1m diameter on centerline

#### **DECK CRANES**

- 1 x 15TM, 2.3-12m knuckle arm type
- 1 x 3TM, 2.3-10m knuckle arm type

*Specifications Subject to Change*



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#### **CANYON OFFSHORE**

Houston, TX: 713.856.6010  
Singapore: 65.6.545.3885  
Aberdeen, UK: 44.1224.351800