m.v. Northern Rock  
MPP/HEAVY CARGO/SUPPLY  
Dynamic positioning  
Open top notation

| Registration | Northern Rock  
| Ships name | Hartman Seatrade  
| Owner | P.C.Z.Q.  
| IMO number | 9728887  
| Call sign |  
| MMSI number | 244850087  
| Manager | Hartman Seatrade  
| Port of registry | Urk  
| Flagstate | The Netherlands  
| Shipyard | Hartman Marine BV  
| Date of delivery | August 2015  
| Class notation | Bureau Veritas  
|  | I **HULL **MACH **AUT-UMS  
|  | DYNAPOS AM/AT  
|  | General Cargo Ship  
|  | Heavy Cargo (120 kN/m²)  
|  | Unrestricted Navigation  

| Tonnage | Displacement | 5486 tonnes  
| Deadweight | 3285 tdw.  
| Gross tonnage | 2989 GT  
| Netto tonnage | 896 NT  

| Ships dimensions | Length over all | 92.9 mtr.  
|  | Length between p.p. | 84.9 mtr.  
|  | Breadth moulded | 15.0 mtr.  
|  | Summer draught | 5.00 mtr.  
|  | Depth moulded | 5.50 mtr.  
|  | Keel to top mast | 28.5 mtr.  

| Hold/hatches sizes | Number of holds | 1 (See note 1)  
|  | Hold capacity | 6209 cbm./ 219200 cbft.  
|  | Upper hold length | 69.3 mtr.  
|  | Lower hold length | 53.9 mtr.  
|  | Upper hold breadth | 12.0 mtr.  
|  | Lower hold breadth | 12.5 mtr.  
|  | Hold height | 8.30 mtr. (See note 2)  
|  | Upper hold height | 3.9 / 4.6 mtr.  
|  | Lower hold height | 3.7 / 3.9 mtr.  
|  | Hold floor surface | 1512 m²  
|  | Deck length | 15.0 mtr.  
|  | Deck breadth | 15.0 mtr.  
|  | Deck floor surface | 1320 m²  

| Notes: | 1. Grain fitted  

Load distribution  
| Tanktop upper hold | 12 mt./m²  
| Tanktop lower hold | 15 mt./m²  
| Tweendeck | 2.5 mt./m²  
| Tweendecks each | 154 mt./cover  
| Hatchcovers | 3.7 mt./cover  
| Hatchcovers each | 249 mt./cover  

Container capacity  
| Hold capacity | 122 teu.  
| Deck capacity | 252 teu.  
| Total | 374 teu.  

Hatchcovers/tweendecks  
| Type of hatchcovers | 11 pontoon type  
| Tweendecks | 6 pontoon type  
| Bulkheads | 2 removable  

Propulsion/Manoeuvring  
| Main Engine | Wärtsilä 6L20  
| Power | 1200 kW  
| Bow thruster | 300 kW  
| Stern thruster | 250 kw  
| Rudder | Becker rudder  
| Service speed (loaded) | 11 knots  
| Service speed (ballast) | 12 knots  
| Fuel consumption | 6.4 M³/day (MGO)  
|  | (fully laden, bft 2 / no swell)  

Bunker/ballast capacity  
| Marine gas oil | 233 m³  
| Lubricating oil | 1.9 m³  
| Fresh water | 70 m³  
| Ballast water | 1822 m³  

Dynamic Positioning  
| Offshore supply vessel |  
| Offshore support vessel |  
| WTG/Foundations |  
| Accomodation vessel |  
| Crew transfer vessel |  
| Grouting |  

Fast and versatile  
|  

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