**PICTURE OF SIMILAR VESSEL**

### GENERAL
- **Type**: CSD 500
- **Basic functions**: Capital mining and maintenance dredging

### DREDGING FEATURES
- **Max. dredging depth**: 14 m
- **Swing width**: 39.6 m (at max. dredging depth)
- **Max. mixture capacity**: 4,000 m³/h

### DREDGE INSTALLATION
- **Dredge pump type**: BP5045
- **Diameter suction/discharge pipe**: 550/500 mm
- **Spherical passage pump**: 230 mm
- **Cutter type**: Crown model (with changeable chisels)
- **Cutter power**: 180 kW
- **Cutter diameter**: 1,625 mm

### ENGINE INSTALLATION
- **Dredge pump diesel**: Caterpillar 3512C TA
- **Continuous power rating**: 954 kW @ 1,600 rpm
- **Auxiliary diesel**: Caterpillar C12 TA
- **Prime power rating**: 339 kW @ 1,800 rpm
- **Hydraulic installation**: Driving cutter, winches and spuds
- **Electrical installation**: 24 V DC and 230/400 V AC, 35.4 kVA

### PRINCIPAL DIMENSIONS
- **Length o.a. incl. ladder**: 39.50 m
- **Length over pontoons**: 25.50 m
- **Beam**: 7.95 m
- **Depth**: 2.00 m
- **Draught**: 1.05 m
- **Air draught**: 6.40 m
- **Total weight**: 140 ton

### TANK CAPACITIES
- **Fuel oil approx.**: 21.70 m³
- **Ballast water**: 8.80 m³
- **Hydraulic oil**: 1.50 m³

### DECK MACHINERY
- **Ladder hoisting**: Hydraulic winch, 120 kN, 0-15 m/min
- **Side wire winches (2x)**: Hydraulic, 120 kN, 0-15 m/min
- **Spuds (2x)**: Ø 610 mm, length 19 m
- **Spud hosting (2x)**: Hydraulic cylinder, stroke 1.5 m

### INSTRUMENTATION
- **Dredging depth indicator**
- **Vacuum and pressure indication of dredge pump**

### REMARKABLE FEATURES
- **Dismountable design** which allows transport by road
- **Heavy duty robust design**
- **Simultaneous operation of all functions possible**
- **Spacious ergonomic designed control cabin and engine room**
- **One operator can control the entire dredger from the control cabin**
- **Operators cabin with air conditioning and heating**
- **Scantlings well in excess of class regulations**
- **Large range of standard options are available to customize the CSD**