



This Dutch built Trailing Suction Hopper Dredger was used for marine aggregates (sand and gravel) dredging. With its single trailing arm, 2.500 cubm hopper capacity and bucket wheel system and all major components including engines and pumps overhauled in 2020, it is kept in good operating condition. A considerable amount of spare parts are available with the vessel.

General

Builder	Shipyard De Merwede (now IHC)
Built	1990, the Netherlands
Classification	Bureau Veritas
Notation	I (cross) HULL (cross) MACH Hopper Dredger, Sheltered area, Coastal Waters, Dredging within 8 nm from shore, (cross) AUT-UMS

Dimensions

LOA	99 m.
Beam	16.30 m.
Depth	8.60 m.
Draft	6.40 m.
Tonnage	Gross 3751
	Nett 1125

Machinery

Main engines	1x Mirrlees Blackstone K8 Major (overhauled 2020)
Output	5.200 hp @ 600 RPM

Aux. engine	Caterpillar 3508
Output	750 hp
Harbour generator	Caterpillar 3306 B
Output	120 kW
Em. generator	Cummins 4BT 3.9 G1
Output	42 kW
Propulsion	1x FPP
Bow thruster	1x, 5 tonnes
Dredge pump	Seadrec, electrically driven
Output	220 kW, 600V
Deck crane	3x electrically driven
Crane cap.	PS 7 tonnes at 7 m. SB 3 tonnes at 7 m. Deck house 2 tonnes at 5 m.

Performance

Speed	12.75 kn.
-------	-----------

Dredging performance

Dredging depth	33 m. with suction pipe at 45°
Suction pipe dia.	850 mm
Discharge pipe dia.	800 mm
Hopper capacity	2.500 m ³
Mixture velocity transmitter	
Radioactive mixture density transmitter	

Tank capacities

Fuel oil	450 m ³
Fresh water	75 m ³

Nav/Com equipment

As per class regulations





