



Main Dimensions

Length over all		39,5 m
LBP		37.25 m
Maximum breadth		10,52 m
Draft aft - till keel		3,45 m
Water displacement		610 m3
Tonnage cert		399 GT
		119 NT
Output	2 x	883 kW
Speed		13, 5 knots



Tank Capacities

Fuel	68,8 m3
Fresh Water	33,1 m3
Ballastwater	62,4 m3
Foam concentrate	10 m3

Propulsion

2 x ABC diesel engines – type 8MDXC-750-100K
effective continue output of 883 kW (1200 bhp) at 750 rpm

Coupling:

2 x switchable pneumatic elastic couplings

Lohmann & Stolterfoht type Pneumaflex – KAP 200/1000

Reduction gear:

Lohmann & Stolterfoht double reduction gear, type GVA 100 – gear ratio 2.7251

Propellor:

1 x CPP LIPS – left turning

4 bladed – diameter 2200 mm

Steering kort nozzle make LIPS, typ 19A

Waukesha- LIPS propeller shaft seals

Steering system:

Bruselle Marine Industries NV

Electrical- Hydraulic steering machine with rotary stirring motor

Type HMSE-115M , rudder angle 2 x 35 degr

max. torque at 35 Degr and 240 bar 119 KNm

Max. torque at 35 degr and 192 bar = 95 KNm

Auxiliary:

2 Scania – A. van Kaick shipsdiesel

Electrical power 185 kW (230 kVa)

Each consisting of:



- 1 Scania ships diesel engine type DS11/60
nett power at 1500 rpm 200 k@ (272 bhp)
- 1 A. van Kaick alternator type DKBN 80/450.4
Continue power of 450 kVA
3phase voltage 400/231 Volt

Bowthruster:

Jastram type BU20F

thruster power 2 tons

Output 190 bhp at 1800 rpm

Blade diameter 848 mm 4-blad

Electrical equipment

Radio installation: SSB synthesized trans receiver

Type SALT/ SKANTI TRP 6000

Guard receiver: SKANTI type WR6020

VHF: 2 VHF radiotelephone SP radio Sailor model RT-1442C

Intercom: command intercom system 3002

20 lines master station

Radar: 2 radar RACAL DECCA type RM501/6BT

Other: AM-FM Antenna KATHREIN

Philips television type 25DC2660 HIFI

1 Tuner Onkya type TX800

Nautical equipment

Compass: 1 x CASSENS & PLATH

REFLECTA 1 FIBERLINE

1 gyrocompass ANSCHUETZ GYROSTAR

Accessories: 1 mastercompass

1 steering repeater

1 digital repeater

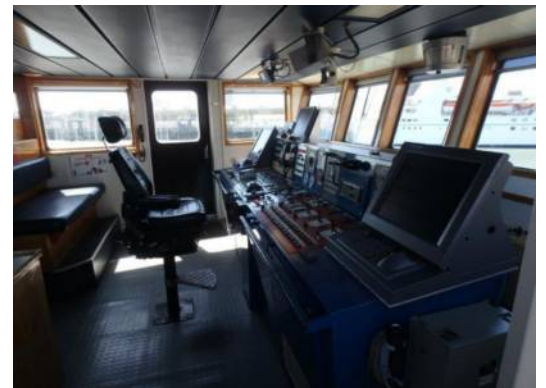
Speedometer: Doppler log JRC model JLN-203S

Depth sounder: Echo sounder SIMRAD ED 162

Velocity meters: wind direction: WALKER XMD-1

Wind speed: WALKER XMS

Navigation: positioning system RACAL DECCA NAVIGATOR MK53



Radio level gauge:	RAYTHEON / APELCO
	Model AXL-1550 automatic direction finder
Signal horn:	membrane air whistle KOCKUMS type M75-270
Ship's Clock:	ZOLLNER type 350
	Electrical power 220 V
Spotlights:	2 x MP.SEEMATZ type X5351

Electrical installation

Commissioned by TES Installatie techniekt

Mechanical ventilation

Commissioned by FLAKT NV

Salvage installation

- Salvage pump SIHI 350 m³/h – 7 bar
- Deck connections : pressure : 6 x DSP/ DN 100
Suction: 6 x diam. 100

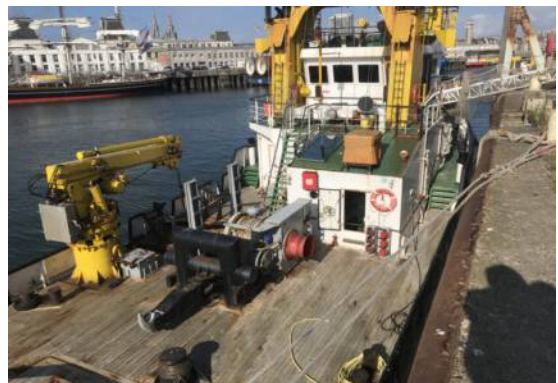


FIFI installation

- 2 x fifi pumps STORK 750 m³/hr – 18 bar, main engine driven by switchable couplings LOHMANN & STOLTERFOHT Pneumamaster KUN 240/2000 and gearboxes LOHMANN & STOLTERFOHT Motilius GAA 320
- 2 foam concentrate pumps STORK 25 m³/hr – 20 bar
- Foam concentrate tank 10.000 L
- 3 ALCO monitors each with foam mixers ALCO GNW 200
 - 1 mast monitor type AKD 8000/ 4000 of 8000 l/min at 18 bar with water 90 m reach
 - 2 bridge monitors type AKD 7000/3500 of 7000 l/min at 19 bar, with water 80 m reach
- Spray system around the vessel : 24 nozzles type S
45 l/min at 8 bar
- Deck connections on fifi pumps 8 x DN 65 water + foam
- Deck connections on fifi pumps 8 x DN100 water + foam

Towage equipment

Winch:
 Brusselle Marine Industries type HSL 80
 20 tons at 0-19 m/min
 8 tons at 0-43.5 m/min
 Holding power at 72T
 Max allowable statical power = 80 ton



Towing hook:

Brusselle Marine Industries type HH 42/75

Hydraulic lockable 75 ts

Bridlewinch:

Brusselle Marine Industries type HBL 12

10 tons on 0-34 m/min / at standstill 12 ts

At automatic brake 75 ton

Bridle block :

75 tons (yard supply)

Capstan:

Brusselle Marine Industries type K32

10 ton at 15 m/ min – 5 ton at 30 m/ min



Other equipment

Anchors and chains:

3 anchors 570 kg

Anchor chain diam 26 m quality U2

Anchor winch:

Brusselle Marine Industries typ A47A

2 WARDILL K 52 chainstoppers

Compressors:

2 x SPERRE type BG/W 75C 3 m3/hr

Waterfilter:

WANSON type BG/W 75 C m3/hr



Pumps:

2 x all use pump Houttuin type Z11 105/064 – 50 m3/hr

1 x fuel pump ALLWEILER type BAL 550 – 0,5 m3/hr 3 bar

2 x fuel pump ALLWEILER type SLS 120 5,5 m3/hr – 3 bar

1 x freshwater pump ALLWEILER type HSR 441 BBSW 10 m3/hr 2 bar

1 freshwater hydrophore group STORK MSO 11B x 3

1 seawater hydrophore group STORK MSO 11B x 3

1 x oil water separator BLOHM 7 VOSS

2 x hydraulic pump PTO driven on reduction gear BRUSSELLE

Fire fighting:

Halon 1301 firefighting installation VAN RIJN for engine room

Soundproof and fire protection isolation :

Commissioned by MAES ISOLATIEWERKEN DE COMBINATIE

Heating:

KYNDT

Boiler make RCD MOB 90 – 77.400 Kcal

Gas oil Burner WEISHAUP type WL20/A3

radiators make RADSON

Tank gauging system:

Pneumatic tank measuring devices OBSERVATOR

Safety equipment:

2 x rafts RFD type SURVIVA 10 with hydrostatic release BERWYN

2 x floating device type FOAM FLOAT 8 with hydrostatic release BERWYN

20 lifebelts type AQUAGARD 2

6 life buoys PERRY

Deck crane:

EFFER type DECO 80T/25

Max reach 12,92 m

Lifting capacity 50 Kn at max reach

Accommodation:

10 people in total incl crew (4 x 1 p cabin 3 x 2 p cabin)

All details without guarantee

