

This Rhine-certified inland waterway tugboat is fully equipped and ideally suited for deployment as a project management, hydrographic survey, guard, or traffic control vessel. The vessel has been well maintained by its long-term owner, with several reinvestments over the years, it is in sound technical condition and ready for immediate operational use.

Type	Tug – survey vessel
Built	1987, the Netherlands
Dimensions	14.30 x 4.47 m
Draft	± 1.72 m (in way of rudder soul piece)
Air draft	± 3.75 m with lowered mast (± 3.05 m with some parts taken off) / ± 6.25 m with mast in upright position
Displacement	Max. 51.583 m ³ / 42.978 m ³ / (acc. to inland tonnage certificate)
Light weight	± 45 tonnes
Propulsion	Single fixed 4-blade propeller, diameter ± 1050 mm
Main engine	Volvo Penta, type D13B-E MH (emission level CCR 2)
Output	443 hp
Gearbox	Masson NFB, ratio 3.59:1
Cooling system	HT closed heat exchange system via bilge keel, LT via box cooler
Steering system	Single type Becker rudder, double hydraulic cylinder actuator, make v.d. Velden hydraulic/ electric power steering system, 3 hydr. pumps, 1 at main engine, 1 electrically driven, 1 orbitrol at steering wheel
Speed	Cruising ± 8.9 knots Maximum ± 9.7 knots (both free sailing)
Bollard pull	± 4 to 4.5 tons
Deck equipment	Bow push chair with rubber fender, rubber forward deck edge fender fendering, tyre fenders along sides, towing bitt with towing hook
Anchor gear	Bow anchor with 40 m galvanized anchor chain, hand operated anchor winch
Moonpole	Aft of wheelhouse over starboard side, stainless steel, size 500 x 500 mm, also available stainless steel survey equipment frame which can be fitted at bow fender chair.
Electrical system	Separated start and board net system both 24 V, Victron combined battery charger and inverter type 24-2000-50 also 230 V available, battery charging also via alternator at main engine
Tank capacities	Fuel oil 3.00 m ³ Fresh water 0.75 m ³
Accommodation	In forward below deck space two single berths, galley and separate toilet space. On aft cockpit level a spacious wheelhouse/dayroom/survey office.
Heating/ climate systems	CV system with make Kabola, type E7 gasoil type heater
Nav./comm. equipment	ComAp IntellVision central monitoring and control system, auto-pilot make van der Velden ECP 500, Alphasat day screen river radar JMA 610, AIS Comnav Voyager X3, 2x Sailor VHF, navigation map system Tresco, remote operated blue day sign, search light
Class	EU inlands waters certificate, type of vessel tugboat, for navigation on river Rhine from open sea up to Bazel
Remark	Wheelhouse top deck and several most poles made of aluminium and aluminium framed windows of which port and starboard forward one with double glass. Most of interior carpentry neatly finished in clear varnished wood. Electrical driven fuel transfer pump with mechanical fuel delivery monitoring system. Reinvestments: navigation systems, new reduction-reverse gearbox (2000), new main engine (2013), new wheelhouse roof (2015), grit blasting of hull exterior and new paint system (2021), new propeller shaft, aft gland and trust bearing (late 2023).







































