

Doeve Brokers/Valuurs vof  
Sworn & EMCI Certificated Brokers  
& Valuurs S&P Yachts & Ships

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## Tugboat 19.45 with TRIWV

Dimensions (m)	19.45 x 5.05 x 2.00	Ref. no.	220406
Mooring	Near Amsterdam, Netherlands	Year	1942
		Material	steel

## Vision Doeve Brokers

Tugboat built at Shipyard Fikkers in NL-Foxhol. Equipped with a real MAK ships diesel. This boat is currently still certified as a professional ship for the inland EU waters. If a buyer would still like to use it as such, that is of course possible. We offer her for recreational use. It is a simple interior that needs work on many points, but which certainly has a lot of potential. There is decent headroom in the deckhouse. We think that she is a great hobby project for the handy man, but it might also be an interesting boat for a scouting group.

## General information

Yard:	Shipyard T.H. Fikkers, NL-Foxhol
Hull shape:	round bottom
Hull material:	steel
Deck material:	steel
Superstructure material:	steel
Construction method:	riveted
	new steel is welded
	rubbing strake around
	bulwark around
	forward deckhouse
	aft cabin below
	wide side decks (gunnels)
	3 watertight bulkhead(s)
Steering system:	hydraulic
	wheel
Windows:	portholes
	2 hardwood outside doors
Displacement (approx.):	maximum allowable displacement 91,637 m3
	displacement in empty condition 79,586 m3
	displacement 12,051 m3
Ballast (approx.):	no ballast
Owner:	Dutch owner
Registration:	Dutch registered
	B-registered
	Costs for the change of ownership and / eventually deletion are for purchasers amount.
Colour / Paint System:	black hull
	black bulwark
	white superstructure
	see photographs
	overdue maintenance
	last underwater treatment 09-2017
Certificates:	inland waterways certificated (TRI WV / ES-TRIN)
	zone 2 Netherlands
	zone 3
	zone 4
	Waal, Lek & NL Rhine
	valid until: 09-2024
Suitable for / as:	tug
	commercial shipping
	recreational vessel
	suitable for bigger waterways
General information:	offered in the condition that she is in
Additional information:	tug bits
	towing hook
	The techniques used on board are commercial shipping quality.
	classic lines
	forepeak

Great vessel for cruising on the European canals and rivers.

## Technical information

Enginepower:	240 Hp 176 kW
Engine brand:	MAK
Revolutions:	500 RPM
Engine model:	MS 36 air started
Number of cylinders:	6
Construction year engine:	1953
Running hours (approx.):	unknown
Fuel:	diesel
Fuel tank (approx.):	10000 litre
	2 steel tank(s) 1 daytank(s)
Cooling system:	direct cooling system dry exhaust
Propulsion:	3 blade propeller greased lubrication of propeller shaft
Gearbox:	mechanical
Heating:	Heatpol stove heater
	on diesel stainless steel
Electricity system:	simple electric system 12 / 24 / 230 Volt
Batteries:	starter batterie(s) generator domestic batterie(s)
Battery charger:	present
Genny:	diesel
	230 Volt 3 kW 1500 RPM
Fresh water tank (approx.):	2000 litre
	1 steel tank(s)
Water pressure system:	electric water pump
Hot water system:	Close in boiler/water calorifier (230 Volt)
Engineroom:	overdue maintenance see photographs
Bilge pump:	present
Additional information:	air bottle air compressor auxiliary diesel engine

## Accommodation

Interior:	simple interior see photographs
Insulation:	no

Cabins:	2 cabins
Berth:	Forward: 1x 2-pers & 1x 1-pers
	Aft: 2x 1-pers
Lay-out plan (not to scale):	see attachment
Toilet / Heads:	above water toilet
Galley:	sideways
Microwave:	present
Worktop:	stainless steel worktop
Washbasin:	stainless steel sink
Water tap:	hot & cold running water
Headroom (approx.):	forward (approx.) 2,08 m
	forward cabin (approx.) 2,42 m
	wheelhouse (approx.) 1,87 m
	aftcabin (approx.) 1,75 m

## Navigation equipment

Navigation equipment:	Seafarer 500 depth / echosounder
	Sailor RT144 VHF
	Debeg 6410 VHF
	rudder indicator
	compass
	True Heading Carbon Pro Automatic Identification System (AIS)
	navigation lights
	window wiper

## Rigging and sails

Mast:	lantern mast
	aluminium
Lowerable:	yes
	manual

## Equipment

Anchor equipment:	manual anchor winch with motor
	Klipp anchor
	anchor chain
	in hawse-hole
Davits:	davits
Safety:	life buoys
	fire extinguishers
	life jackets
	according to the certification requirements
Additional information:	Survey report of the underwatership is available 09-2017











