



J. Johannsen & Sohn
Seeschlepp und -transport GmbH

"MICHAEL"

ASD-Tug with 42 t Bollard Pull

Harbour Assistance – Salvage – Offshore Activities

Delivery 1994 at Hitzler Shipyard, Lauenburg, Germany

Classifikation Germanischer Lloyd
✘ 100A5 E1 TUG
✘ MC E1 AUT

Call Sign D M J T
IMO Number 9107409

Main Characteristics :

Tug with two fixed pitch Azimuth thrusters

Equipped for Coastal Voyages

Suitable to operate with min. 3 men in port or max. 5 men offshore

Main Dimensions

Length o. a.	29,86	m
Length WL	27,89	m
Breadth moulded	9,50	m
Breadth o. a.	10,05	m
Depth	5,00	m
Draught max.	4,20	m
Gross Tonnage	306	GT
Bollard Pull	41,90	t
Speed (100% MCR)	12,2	kn
Cruising Range (11,0 kn) abt.	3.750	nm

Accommodation:
3 cabins (2 x single +1 x triple),
1 lavatory + 1 separate WC rooms
1 mess,
1 galley with provision storage

Machinery, ship's Equipment

2 main engines, Deutz MWM, 2 x 1.290 kW / 1.000 rpm
running on gas oil
2 Schottel azimuth thrusters, SRP 1212 (Fixed Pitch)

2 gensets abt. 2 x 49,5 kW, running on gasoil
Electr. system 400 V / 230 V - 50 Hz, 24 V DC
1 oil fired boiler for heating, abt. 80 kW
2 starting air compressors, 16 m³/h, 30 bar
1 MOB with davit
2 life rafts

Navigation and Kommunikation Equipment

1 radar,
1 gyro compass, 1 auto pilot,
GMDSS A1, AIS, 2 x GPS, ECDIS,
1 DGPS, 1 echo sounder, Navtex, etc.



Towing Equipment

Forecastle:
1 hydraulic anchor / towing winch, 80 m wire,
breakload lines: 989 kN

Working Deck:
1 towing winch,
1 x 250 m wire, Ø 38 mm
breakload: 800 kN
nom. Pull: 150 kN
1 towing bollard
1 hydr. towing hook,
with quick release 40 t
4 Double bollards