



# RIGEL

RIGEL Schifffahrts GmbH & Co. KG

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## YOUR GUIDING STAR AT SEA

### Flag

Germany

### Port of registry

Leer

### Built

MTW Schiffswerft, Wismar, Germany

### Class and register information

LR + 100 A1 Oil and Chemical Tanker,

Ship Type 1, ESP, LI, LMC, UMS,

ICE class 1C FS



## VESSEL TYPE COT 20

Vessel name	Delivery	IMO No.	Callsign
MT Isarstern	12/1995	9105140	DQQC

### Main particulars

Lenght over all	abt. 161,36 m	Gross tonnage	abt. 11.426
Lpp	abt. 154,02 m	Net tonnage	abt. 5.612
Breadth moulded (Beam)	abt. 23,00 m	Panama net	abt. 9.618
Depth moulded	abt. 11,70 m	Suez net	abt. 9.302
Draught (Draft)	abt. 8,60 m	Bow to center of manifold	abt. 78,01 m
Deadweight (dwt)	abt. 17.080 mt	Keel to top of mast	abt. 39,95 m
SBT	abt. 6.898 m <sup>3</sup>	PBL manifold – fwd	abt. 28,36 m
Draught SBT	abt. 5,15 m	PBL manifold – aft	abt. 20,44 m

### Bridge

ECDIS	TRANSAS Navisailor 4000
ARPA	Atlas 1000
GMDSS	Atlas
V-Sat	Seatel 4009

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## VESSEL TYPE COT 20

### Cargo system and equipment

Total cargo capacity 98 %	20.014 m <sup>3</sup> incl. slop tanks 121.362 bbls
Number of segregations	5 + 1
Number/ type of cargo pumps	4 pumps of 500 m <sup>3</sup> /h each Framo Deepwell 9 pumps of 300 m <sup>3</sup> /h each Framo Deepwell
Pumping capacity	abt. 2.600 m <sup>3</sup> /h (theoretical)
Loading capacity	abt. 3.000 m <sup>3</sup> /h (theoretical)
Vapour return	Yes
Tank coating	Zinc
Heating arrangement	SS Coils (glycol + water mixture)
Heating capacity	Max. 130 °C
Tank gauging system	Tank radar – online system
Closed loading/sampling	Yes
Tank cleaning	22x fixed type and 2x portable Toftejorg
Hose crane, SWL	8 mts

### Machine and propulsion

Main engine	MAN B & W Output 6.600 kW at 428 rpm
Service speed	abt. 14,4 knots
Consumption	abt. 25,0 mts/ d.s.g. in operation
Aux engines	MAN B&W 3x 640 KVA
Propeller	CP propeller WPM – ice strengthened
Bow thruster	600 kW

### CARGO TANKS

CT 1 port 618.0 m <sup>3</sup>	CT 1 stb 618.0 m <sup>3</sup>	
CT 2 port 1,044.3 m <sup>3</sup>	CT 2 stb 1,044.3 m <sup>3</sup>	
CT 3 p 919.1 m <sup>3</sup>	CT 3 1,393.7 m <sup>3</sup>	CT 3 stb 919.1 m <sup>3</sup>
CT 4 port 1,224.0 m <sup>3</sup>	CT 4 stb 1,224.0 m <sup>3</sup>	
CT 5 port 1,284.5 m <sup>3</sup>	CT 5 stb 1,284.5 m <sup>3</sup>	
CT 6 p 967.2 m <sup>3</sup>	CT 6 1,393.7 m <sup>3</sup>	CT 6 stb 967.2 m <sup>3</sup>
CT 7 port 1,185.3 m <sup>3</sup>	CT 7 stb 1,185.3 m <sup>3</sup>	
CT 8 port 1,010.7 m <sup>3</sup>	CT 8 stb 1,010.7 m <sup>3</sup>	
Slop port 359.0 m <sup>3</sup>	Slop stb 359.0 m <sup>3</sup>	

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