

M/T "TRANS CATALONIA"

LPG / CHEMICAL TANKER

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VESSEL PARTICULARS

Class	DNV 1A1 Tanker for Oil and Chem. ESP, Liquefied Gas E0
Built	2000
Builder	UNV S.A Valencia, Spain
Flag	Singapore
Home port	Singapore
Service speed	16 knots
Consumption	32 mt/day
Stern line	Yes
Deck crane capacity	4 mt
Main engine	Man B&W / 8 200 KW
Bow thruster	Ulstein / 740 KW

MAIN DIMENSIONS

Summer deadweight	19 715	mts
Winter deadweight	18 890	mts
Summer draught (SW)	10,08	m
Winter draught (SW)	9,87	m
Length overall	151,48	m
Moulded breadth	23,50	m
Cargo capacity (98%)	20 331	m ³
Gross tonnage	13 005	
Net tonnage	5 941	
SBT tonnage	7 573	m ³
Light weight	7 227	mt
Distance KTM	44,0	m
Parallel body length (SDWT)	94,0	m



All volumes are given in m³ at 98%

12P
246

11P 511	10P 610	9P 334	8P 1392	7P 1815	6P 365	5P 295	4P 744	3P 1279	C2 687	C1 763
	10CP 605	9CP 361			6CP 522	5CP 370				
11S 681	10CS 612	9CS 332	8S 1407	7S 1828	6CS 520	5CS 399	4S 765	3S 1286	C2 687	C1 763
	10S 610	9S 334			6S 365	5S 295				

Total tank capacity at 98%: 20 331 m³

All tanks stainless steel Duplex 2205

IMO 1 tanks: 5C P/S, 6C P/S, 9C P/S, 10C P/S, DKT

Balance tanks: IMO 2

LPG particulars

LPG and propylene oxide tanks: 3P/S, 4P/S, 7P/S, 8P/S

Compressor 3 x Hamworthy

Max tank pressure 0,695 bar

Cooling capacity minus 10 deg C

Manifold

Distance Bow-Center manifold 72,80 m

Distance Stern-Center manifold 78,88 m

Inboard from ships side 3,96 m

Height above deck 2,09 m

Height above waterline loaded 5,03 m

Height above waterline ballast 9,6 m
 Highest allowable pressure 16,00 bar
 Manifold flanges ANSI 150 / 6 "

Nitrogen

Nitrogen plant – 1800 m³ - 92 pct purity

Nitrogen plant – 1200 m³ - 95 pct purity

Nitrogen plant – 400 m³ - 99,2 pct purity

Cargo pumps

Framo deepwell pumps in all cargo tanks

Pump Capacity: 200 – 300 m³/h

Pumping Rate given against max 11 bar

Cargo heating: 85 deg C

Stainless steel heating coils

Heating medium: Thermal oil

Draught in		Deadweight (Metric tons)	
Meters	Feet	Sea Water	TPC
10		19000	31,0
		18000	
	30	17000	30,5
9		16000	30,0
		15000	
		14000	29,0
8		13000	
	25	12000	28,5
		11000	28,0
7		10000	
		9000	27,5
	20	8000	
6		7000	27,0
		6000	
		5000	26,5
5		4000	
	15	3000	26,0
4		2000	
		1000	25,5

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