



M/T “DÜZGİT DIGNITY” 8488 DWT

IMO-2 CHEMICAL / OIL TANKER

Vessel Particulars

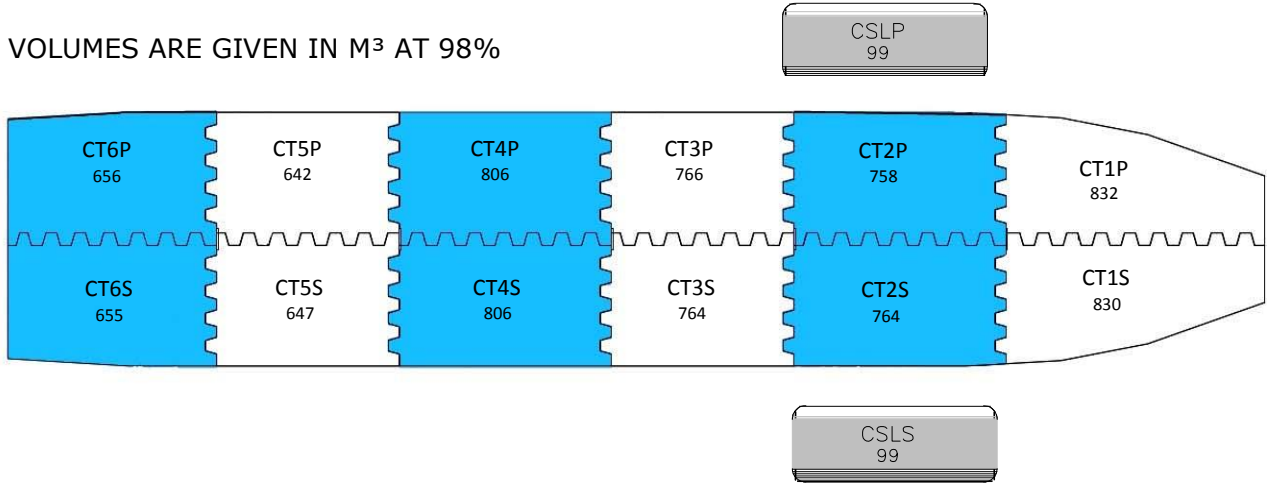
Classification	: BV – IMO2, ICE-IA, AVM – APS, MON-SHAFT
Built	: May-2014
Builder	: Düzgıt Yalova Shipyard, Turkey – (NB06)
Flag	: TURKEY
Port of Registry	: İstanbul
IMO Nr.	: 9581019
Service Speed @%93 MCR	: abt. 14.0 knots
Consumption @%93MCR	: abt. 15.5 t/day
Economic Speed @%75 MCR	: abt. 12.5 knots
Consumption @%75MCR	: abt. 13.0 t/day
Stern Line	: 1xDN 200 & 1xDN150 with 1xDN125 VR
Deck Crane Capacity	: rad. 16,0 m / SWL : 5,0 t.
Communication	: Sat, GSM, Fax, Tlx, e-mail
Main Engine	: MaK 8M32 / 3840 kW
Bow Thruster	: Schöttel - 400 kW Electric Driven
Main Generators	: 3 x Lindenberg 590 kWe 1800 rpm
Emergency Generators	: 1 x Lindenberg 150 kWe 1800 rpm
Shaft Alternator	: 1 x 1250 kWe

Main Dimensions

Summer Deadweight	: 8,488 mton
Summer Draught (SW)	: 7.24 m
Length Overall	: 124.12 m
Moulded Breadth	: 17.20 m
Ballast Capacity	: 3,605 m ³
Cargo Capacity (98%) Exc. Slop	: 8,926 m ³
Cargo Capacity (98%) Inc. Slop	: 9,124 m ³
Integrated cargo tanks	: 12 cargo
Deck Cylindrical cargo tanks	: 2 slop
Segregations for cargo lines	: 5 (CT) + 2 (6P/6S) 1 (Slops)
Gross Tonnage	: 5770
Net Tonnage	: 2620
SBT Tonnage	: 3605
Light Weight	: 3,068 t
Distance KTM	: 34.02 m
Parallel Body Length (SDWT)	: 44.84 m
Air draft (summer)	: 27.28 m

M/T "DÜZGİT DIGNITY" 8488 DWT

ALL VOLUMES ARE GIVEN IN M³ AT 98%



Cargo Tanks						
Tank no	m3 98%	Lining	Pump Capacity	Max SG	IMO	Max Heat Capacity
CT1P	832	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT1S	830	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT2P	758	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT2S	764	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT3P	766	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT3S	764	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT4P	806	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT4S	806	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT5P	642	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT5S	647	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT6P	656	Marine Line	250 m ³ /h	1.54	2	80 deg C
CT6S	655	Marine Line	250 m ³ /h	1.54	2	80 deg C
CSLP	99	Marine Line	100 m ³ /h	1.54	2	80 deg C
CSLS	99	Marine Line	100 m ³ /h	1.54	2	80 deg C
Total	9124	Marine Line				

Manifold

Distance Bow-Center manifold	: 66.43 m
Distance Stern-Center manifold	: 57.67 m
Inboard from ships side	: 2.50 m
Height above deck	: 2.46 m
Height above waterline (loaded)	: 4.43 m
Height above waterline (in ballast)	: 6.84 m
Highest allowable pressure	: 16 bar
Manifold flanges	: 4"-6"- 8" - 12" ANSI
Segregation for Cargo Lines	: 5 (CT) + 2 (CT) 1 (SLP)

Nitrogen System

Nitrogen plant producing 1x750 Nm³/h

Cargo Pumps

Elec. driven deepwell pumps in all cargo tanks
Pumping rate is each 250 m³/h 110 mlc.
Sp. Gravity: 0,8 Viscosity : 1,0 cst

Cargo Rating

Total discharging rate 1500 m³/h
Total loading rate 1650 m³/h

Cargo Heating

316L Stainless steel heating coils (Double Loop)
Heating media is HOT-WATER (Fosfa)

Ballast System

Elec. driven centrifugal pumps 2 x 300m³/h = 600m³/h



DÜZGİT GROUP
DÜZGİT GEMİ İNŞA
SANAYİ A.Ş.

Eski Büyükdere Caddesi. Park Plaza
No: 14, Kat: 11, 34467-Maslak
Sarıyer, İstanbul - TURKEY

Phone : +90 212 345-0530
Fax : +90 212 345-0539
e-mail : chartering@dsmship.com.tr

mt "DUZGIT DIGNITY"

8488 dwt IMO-2 type Chm & Oil Tanker

DWT - SCALE

SEASON		FREEBOARD(m)	DRAFT(B.L.m)	DEADWEIGHT	DISPLACEMENT
TROPICAL FRESH	TF	1.667	7.547	8762.213	11923.598
FRESH WATER	F	1.818	7.396	8489.200	11650.585
TROPICAL	T	1.826	7.388	8765.694	11927.079
SUMMER	S	1.977	7.237	8487.978	11649.363
WINTER	W	2.128	7.086	7934.949	11096.334

Draft Molded (m)	Deadweight (t.)		Displacement Extreme (t.)		Tons per 1 cm. Immersion (t./cm)		Moment to Change 1cm. Trim (t.m./cm)	
	1.000t/m	1.025t/m	1.000t/m	1.025t/m	1.000t/m	1.025t/m	1.000t/m	1.025t/m
9.2								
9.1								
9.0		12000						
8.9								
8.8	11000				19000	19500		170000
8.7			14000					
8.6		11000						
8.5				14000				
8.4	10000							160000
8.3		10000			18500	19000		
8.2								
8.1								
8.0		9000					160000	
7.9								
7.8	9000		12000					150000
7.7		9000						
7.6				12000	18000	18500		
7.5								
7.4								
7.3								
7.2								
7.1	8000						140000	140000
7.0		8000			17500	18000		
6.9								
6.8								
6.7								
6.6	7000							130000
6.5		7000	10000		17000	17500		
6.4				10000				
6.3								
6.2								
6.1								
6.0	6000						120000	
5.9		6000				17000		
5.8								
5.7					16500			
5.6								
5.5								
5.4	5000							
5.3		5000	8000					
5.2				8000				
5.1								
5.0								
4.9	4000							110000
4.8		4000						
4.7								
4.6								
4.5								
4.4								
4.3								
4.2					16000			
4.1			6000					
4.0				6000				
3.9								
3.8								
3.7								
3.6								
3.5	2000							
3.4		2000						
3.3								
3.2								
3.1								
3.0								
2.9								
2.8			4000					
2.7				4000				
2.6								
2.5								100000
2.4					15400			
2.3								
2.2					15350	15750		
2.1					15300	15700	98000	96000
2.0					15250	15650		
1.9					15200	15600		94000
1.8					15150	15550	96000	
1.7								
1.6					15000		94000	92000
1.5					14900	15300	92000	90000
1.4			2000	2000	14800	15200	90000	88000
1.3					14700	15100		
1.2					14600	15000	88000	86000
1.1					14500	14900	86000	84000
1.0					14400	14800		

