



# 35,000 cbm LPG/NH3 Carrier

## MT „GASCHEM STADE“



### Ship Basic Information

Builders	Hyundai Mipo Dockyard Co., Ltd, Korea
Type	Ship Type 2G, LPG/NH3 Carrier
Flag	Liberia
Port of registry	Monrovia
Classification	LR +100A1 Liquefied Gas Carrier, Ship Type 2G, anhydrous ammonia, butadiene, butane, butane and propane mixtures, butylene, propane and propylene in independent tanks type A, max. specific gravity 0.70, partial loading vinyl chloride monomer with max. specific gravity 0.97, max. vapour pressure 0.25 bar (0.45 bar in harbour), min. cargo temperature -50° deg. C, EP, *IWS, LI, (ACS(B), CM, FDA, SDA), +LMC, UMS +Lloyds's RMC (LG) / Descriptive notes: ETA, Green Passport, Part Higher Tensile Steel, ShipRight (BWMP(S),SCM,SERS)

### Vessel Specific Information

	IMO No.	Delivery
GASCHEM STADE	9471123	Dec 2010

### Dimension and Main Data

Length o. a.	173.70 m
Length b.p.	165.00 m
Breadth max.	28.04 m
Depth	17.80 m
Deadweight max.	abt. 26,618 mt
Distance keel - top antenna	49,68 m
Distance keel - antenna folded backw.	48,00 m
Mean Draft in fresh water on sfb.	10.42 m
Speed laden (Bft 2)	abt. 16.5 kn
ST LAWRENCE	NO
BOWTHRUSTER	NO
GT	22,977
NT	6,893
Crew Complement	30

### Tank Capacity

IFO	abt. 1,591 cbm (95%)
MGO	abt. 131 cbm (95%)
Freshwater	abt. 298 cbm
Waterballast	abt. 11,392 cbm



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### Cargo Capacity

Tank	Volume 100%	Volume 98%
1	abt. 9,776 cbm	abt. 9,580 cbm
2	abt. 14,744 cbm	abt. 14,449 cbm
3	abt. 10,693 cbm	abt. 10,479 cbm
Decktank P	abt. 100 cbm	abt. 98 cbm
Decktank S	abt. 240 cbm	abt. 236 cbm
Total	abt. 35,554 cbm	abt. 34,843 cbm

### Transportable Products

Anhydrous Ammonia	Propane (Pure)
1,3 - Butadiene	Propylene
Butane (i, n)	Commercial Propane (maximum 2.5 mole% Ethane in Liquid Phase)
Butylenes	Vinyl Chloride Monomer(reduced filling limits)
	Propane and Butane mixtures

### Cargo Tanks Characteristics

Number of Tanks	3
Tank 1 Type	Prismatic- independent Type A
Tank 2 Type	Prismatic- independent Type A
Tank 3 Type	Prismatic- independent Type A
Construction Material	Fine grain, fully killed low temp. carbon manganese steel
Max. Tank Pressure	IMO 0,25 bar (g) / USCG 0,25 bar (g) / fully ref 0,45 bar (g)
Vacuum	0,95 bar (a)
Min. design temperature	-50°C
Max. Product Density	970 kg / cm (filling limit 70%)

### Cargo Pumps

Pumps	Deepwell	Booster
Number	6	2
Make	Hamworthy	Hamworthy
Max. density kg/m <sup>3</sup> (98% filling)	700	700
Max. density kg/m <sup>3</sup> (70% filling)	970	970
Disch. head m.l.c.	120	120
Capacity m <sup>3</sup> /h	400	400

### Cargo Compressor

	Cargo
Number	3
Maker	Burckhardt
Type	Reciprocating



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### Hose Handling Gears

Number of Cranes	1
Maker	Haean Machinery Ind.Co
Capacity	5,000 kg
Outreach	22 m (outboards abt. 8 m)

### Machinery

Type	<b>Main engine</b> Hyundai MAN B&W 6S50MC-C7
Power	9480 kW

Number	<b>Auxillary engine</b> 3
Type	Hyundai MAN B&W: 2 sets 7L23/30H, 1 set 6L23/30H
Power	2 sets 960 kW / 1 set 780 kW

### Fuel consumption per day at normal service speed at LPG-Draft (Bft 4)

Ship at sea	abt. 37	mt HFO
In port, loading - while cooling cargo	abt. 6	mt MDO
In port, discharging - 6 DWL pumps	abt. 7	mt MDO
Boiler in port	abt. 1,2	mt Gasoil
Boiler at sea	Heating by means of exhaust gas	

### Navigation and communication equipment

Radars with ARPA (2 sets X/S-band)	Gyro compass
Autopilot	Doppler Speedlog
Echosounder, Echograph	GPS/DGPS
VHF	DSC Controller
Navtex	Weather Fax
2182 Receiver	Walkie Talkies (GMDSS)
MF/HF Radio Transmitter	MF/HF DSC Controller
INMARSAT C (2 sets)	Message Processor
SAT C Printer	INMARSAT Fleet Broadband
EPIRB	Radar Transponder
ECDIS	AIS
SSAS	Voyage Data Recorder

**Further details and Form „C“ Gas upon request.**

**All details to be considered as about, given in good faith but without any guarantee.**