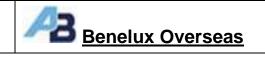
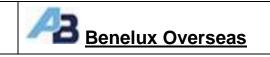


1. PREAMBLE							
Ship's name	CLA	LAUDIA GAS					
Owners	Clau	Claudia Gas Shipping S.A.					
	c/o: E	c/o: BENELUX OVERSEAS INC.					
Flag – Registry	Liber	Liberia - Monrovia					
Builder	Jos L	Meyer Gmbh, P	apenburg				
Delivery		ber 12, 1990					
Class	KOR	EAN REGISTER	OF SHIPE	PING			
IMO No.	8813	087					
GT (International)	11,82	22					
NT (International)	3753						
GRT (Suez)	1273						
NRT (Suez)	9558						
GRT (Panama)	1285						
LWT (MT)	6704	.90					
Is vessel approved?		, <u> </u>					
USCG				Yes			
IMO				Yes			
2. HULL							
		Metres			Feet		
LOA		158.00			518.37		
LBP		149.80			491.46		
Breadth		21.30			69.88		
Depth		13.90 45.60					
Air draft (fm Summer LL)					111.760		
		Draft (m) Corresponding DWT					
Tropical		9.735 16,137					
Summer		9.735			16,137		
Winter		9.735			16,137		
TPC fully loaded (MT)				@ 7.80 M Dra			
		t with full bunke					
Cargo	ı	Mean draft (m)		OWT	displacement		
Butane		7.73		0676	17380.90		
Propane		7.65		0465	17169.90		
Ammonia		8.35		2294	18998.90		
VCM		9.76	16	133.7	22838.60		
3. COMMUNICATION	EQU	IPMENT			1		
International call sign		D5JU2					
Radio station		TA-36204					
Inmarsat FBB	Jh	JRC Model JUE 251 / Thrane & Thrane Model Sailor 250					
- Telephone		(00) 870773935334					
- Telephone		(00) 870773935333					
- Telefax1		(00) 870783929901					
- Telefax2		(00) 870783929900					
Inmarsat C		463719228 (LRIT) / 463719229 (SSAS)					
MMSI		636017205					
Cell phone				-			



E-Mail		master.claudiagas@amosconnect.com							
	MACHINERY	mastor.oladdiagas @amoccomicot.com							
	Main Engine								
Maker/n	nodel	MAN E	MAN B&W 6L 50 MCE						
MCR		5820 k	5820 KW / 141 RPM						
Grade f	uel used	I.F.O.	380 CS						
	Auxiliaries Engines								
Type/Mo	odel		MAN B&W HOLEBY Type L23/30						
Maker	104//224		MAN B&W 1 X 810 KW / 2 X 1080 KW						
	KW/RPM)			2 X 1	080 KW				
General	uel used		24 KW 380 & M	I D O					
Grade	uei useu	I.F.U.		Speed	<u> </u>				
Guaran	tee average k	paded/ ballast					14.0	/ 14.5	
Juanun		Jasou, Daniast	- Spood	1/		C4	= 7.73 /	5.0	
5 4 4			.,				= 7.65 /	5.0	
Draft at	Guarantee av	erage loaded	l/ ballas	t spee	ed (m)		3 = 8.35 /	5.0	
						VCN	I = 9.73 /	5.0	
	Consumption								
					At Sea		At Port		
	Main eng			20.0			-		
	Aux. Engi			3.0			5.5		
Number of A/E in use MDO Consumption alongside in port				1 -			2		
			ort	3.0				2.0	
	Inert Gas plant when operating3.03.0Boiler consumption (MT/day)1.0						3.0		
Doller C		ent bunkers o	canacity	(Excl	daily service			<u>′</u>	
HFO (M		CIR BUILDER	apaonty	(LXC	1378.9		@ 0.98		
MDO (M					111.16		@ 0.86		
	CARGO INST	ALLATION					0 0.00		
-	efaction plant				SUL	ZER	2K140-2F		
		e can maintai	n		-48° C				
Tank	_		n-C	:4	n-C3		NH3	Butadiene	
No.			0.60		0.582		0.682	0.653	
	100% M ³	98% M³	@ -5		@ -41.5 °C		-33.4°C	@ -5°C	
1	4997.700	4897.746	2963.				340.263	3198.228	
2	5049.300	4948.314	2993.730		2879.919		374.750	3231.249	
3 Total	5049.100	4948.118	2993.611 8950.477		2879.805 8610.212		374.616	3231.121	
Total	15096.100	14794.178	Carrie			10	089.629	9660.598	
Butadiene, Butane, Butane-Propane Mixtures, Butylenes, Mixed C4, Propane, Propylene, Vinyl Chloride									
					looding				

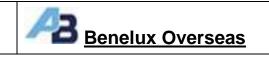
Cooling before loading (for fully-refrigerated vessels what quantity of cargo is needed and which is the corresponding



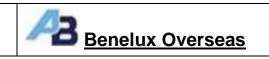
time to pre-cool the tanks and have them ready to load?)						
	MT		Hrs			
BUTANE	75		16			
PROPANE	85		16			
BUTADIENE	65		16			
AMMONIA	68		20			
VCM	80		16			
6. CARGO TANKS						
	ENT TYPE C, SE					
Material		13 MnNi63DIN No. 1.6217 (CG2)				
MARVS		5.40 Barg	,			
		.60 Barg.				
Maximum Vacuum		- 0.30 Ba				
Minimum pressure		about 0.7				
Minimum temperature acceptable in tanks			deg. Celsius			
Maximum Specific Gravity		0.970 k				
Maximum Loading rate – m³/hour		150	00			
Number of deck tanks		1				
7. CARGO PUMPS		2	_			
Number/Type 6 x DEEPWELL CLG 150-N			•			
Maker		vaerner-E				
Location	Ea	ch Tanks				
Max permissible specific gravity		0.970 kg	g/m ³			
Cargo remaining onboard in cargo tanks after total completion pumping Tank1= 12.1, Tank 2= 12.3 Tank 3= 12.3						
Cargo remaining onboard in cargo tanks (heel) a	fter completion p	umping	Liquid 1.5 M/T Vapour 36.3 M/T			
Total head when working in series with boos	ster pump		120 mlc			
Booster pumps (number/type)	2 x CQV 150-R	RN (200) m ³ /h @ 120m mLc)			
Maker	Kvaerner-Eureka					
Strip	ping					
Stripping system		Pressurizing				
Time required for all traces of liquid cargo Subject to Ta			nk Condition			
Loading Rates of						
BUTANE: (storage tank at atmospheric pressure + vapor return)			900 MT/h			
BUTANE: (storage tank at atmospheric pressu	700 NT/I					
PROPANE*: (storage tank at atmospheric pre-	730 MT/h					
PROPANE: (pressurized storage tank with vap	795 MT/h					
AMMONIA*: (storage tank at atmospheric pres	852 MT/h					
AMMONIA: (pressurized storage tank with vap	132 MT/h					
BUTADIENE*:(storage tank at atmospheric pre	650 MT/h					

(*) for pressure or semi-refrigerated vessels using the cargo heater with sea temperature +15°C

Time for discharging full cargo using all pumps against no backpressure						
	With vapour return line Without vapour return					



Discharging rate (atm)	10	O hours		10 hours			
Discharging rate (1 bar)		O hours		10 hours			
Discharging rate (5 bars)				12 hours			
Discharging rate (10 bars)	2 hours 7 hours		37 hours				
8. CARGO COMPRESSORS							
Number/Type		4 / Two Stage Direct Type Oil Free					
Maker/Model		Sulzer 2K140 - 2F					
Total Swept volume		1 st Stage = 600 m ³ / hr. per Unit 2 nd Stage = 900 m ³ / hr. per Unit					
Can re-liquefy VCM			Y	'es			
	Ethylene	Propan	Propane Ammo				
Refrigeration Capacity	-	320,000 kc		450,000 kcal/hr			
Suction pressure	-	0.40 Bar		0.40 Barg.			
9. INERT GAS SYSTEM			<u> </u>	3			
Does the vessel use inert g			Ye	ie.			
Method	u3:		IG				
Maker		S		ENS B.V.			
Fuel used			<u>и.</u> D.O. /				
Does the vessel produce in	ort nas?	<u> </u>	<u>и.в.о. /</u> Ye				
Type	ert gas:	Gin 1500					
Daily production			Gin, 1500-03 BUFD, NO. 088044 1500 m ³ /H = 36,000 m ³ /Day				
Daily production	Compositi		1/11 – 3	0,000 III /Day			
Composition of inert gas Carbon dioxide 13.0%							
Oxygen max.		0.1					
Carbon monoxide max.		0.1					
Hydrogen max.		0.1					
Nitrogen		Bala					
Soot			0 Bach				
Sulphur oxides max.			Max. 10				
Dew point			-40°				
State if any shore supply of liquid nitrogen may be required							
May be required for pumpir				ammonia			
What quantity? (AT 2 SHIF		Toauring butaure	37,740.				
10. GAS FREEING	10)		<i>51</i> , <i>1</i> ∓ 0.	ZO WI			
	-d		VE	-0			
Can this operation be carrie		d inal all dataila	YE	3			
State method incl. all details							
For LPG I.G. by vessel's own plant, aeration by Air Blower/Cargo Compressor I.G. by vessel's own plant, aeration by Air Blower/Cargo Compressor							
For NH ₃ I.G. by vessel's own plant, aeration by Air Blower/Cargo Compressor							
Advise time required and consumption of inert gas if any: From LPG about 16 hrs / 24,000 m ³							
From NH ₃	16 hrs / 24,000 m ³						
Is the vessel equipped with	ar?	•					
Capacity	51 i	1500 m ³ /hr					
Ventilation fan		3000 m ³ /hr / Rotary Pi					
			3000	III / III / Notally Fistoff			
11. CHANGING GRADE	d =t = t = = = 0			\\			
Can this operation be carrie	ed out at sea?			Yes			



State method used and time required for						
reach 50 ppm to previous cargo in tanks a	atmosphe	re, the tai	nks being	dry and free of		
moisture (dewpoint plus 10° C)				Inert Gas Production		
From NH ₃ to LPG						
Time required			50 Hours			
From NH ₃ to LPG			inert	Inert Gas Production		
Time required	d ago inot	allatian		50 Hours		
Can vessel reduce in tank atmosphere an concentration of previous cargo below 50		allation	Yes			
Method used, time required and extra shore supply if any			Inert Gas Production, Time depending on Cargo Tanks Condition			
How can it be checked that no liquid gas	remain on	board		Level Indicators, rains at Low Points		
12. CARGO HEATER						
Cargo Heater			,	Yes		
Maker		(Cryogas H	ICH 100, 120		
Туре				Water		
Discharging rate for C3 & NH3 to be brough	ght	Propane)	399 m ³ /hr		
fm atmospheric pressure to -5° C @ S.W	15° C	Ammon		352 m ³ /hr		
State discharging rate for propane with 2. brought from -44oC to -5oC at sea temper			399 m³/hr			
13. CARGO VAPORIZER						
In case of need of vapor gas during disch	arge, can	vessel	Yes. By Cargo			
produce its own if no shore gas available?				Heater/Vaporizer		
14. REFRIGERATING APPARATUS				·		
It is independent of cargo?	Ye	s / Two G	rades re-li	iquefaction System		
15. MEASURING APPARATUS						
What gauges onboard		Lev	el/Pressur	e/Temperature		
Location and type				Sauges/ P&T Sensor		
Number of temperature sensors/gauges p	er tank	1 lout Typ		eces		
Number of pressure sensors/gauges on to			1 Piece			
16. SAMPLES			<u> </u>	1000		
Bottom:0.20m, Mide			dle:5.6m, Top:11.0 m hk and One Closed Sampling			
Are sample bottles available onboard?	ay cargo	. Gillp 110	No			
17. CARGO LINES						
Is vessel fitted with midship manifolds Yes						
Number of lines on each side			2 x Liquid (10" & 6") ASA 300			
Lines Configuration			2 x Vapour (6" & 4") ASA 300 L-V-V-L			
Distance from cargo manifold to bow			77.250 Meters			
Distance from manifold to stern			80.750 Meters			
Height upper cargo manifold above main deck			1.900 Meters			
Height above Summer Draft mark			6.065 Meters			
Height upper cargo manifold waterline when LWT			12.456 Meters			
Troight apper oargo mannoid watering when Evv i						

Is vessel fitted with purge tank?



Height unner card	o manifold ak	nove wat	arlina wha	n in hallast	10.08	7 Meters	
Height upper cargo manifold above waterline when in bal Distance manifold from ship's rail				II III ballast	3.50 Meters		
Distance between liquid lines) Meters	
Distance between vapour lines						O Meters	
Distance between loading and vapour return connections				actions		O Meters	
			eturn com	ections			
Is vessel fitted wit	n stern disch	arge	of liquid o		(0.000) (0.00	N/A	
Note: Above distances from center line of liquid and vapour crossovers Dimension of lines							
			Diame			ange size	
Liquid (P/S)	10" /			ASA 300			
Vapour			6" /			ASA 300	
Booster			6"			N/A	
Doostei		What re	educers on	hoard		IN/A	
Number	Diame			ength.	Pres	sure rating	
1	10" x 1			00mm		Pressure rating 300 x 150	
2	10" x 10"-			00mm		00 x 300	
3	10" x 1			00mm		300 x 300	
4	10" x 8"			00mm		00 x 300	
5	10" x 8"			500mm		00 x 150	
6	10" x 6"		500mm			300 x 300	
7	8" x 6"		500mm			300 x 300	
8	6" x 12"		500mm			00 x 150	
9	6" x 8"			00mm		00 x 150	
10	6" x 6"			00mm		00 x 300	
11	6" x 6" - 2pcs			00mm		00 x 150	
12	6" x4" – 2 pcs		5	500mm		00 x 300	
13	4" x 4	"	5	00mm		00 x 300	
18. LIFTING APPLIANCES							
Where situated				Aft	l A	Amidship	
Number and lifting	ı capacity		1 Provision Crane			1 Hose Handling Crane	
	,		SWL = 3.0 M/T			SWL = 4.0 M/T	
Max. distance from	n ship's side	of					
lifting hook	-		Max. 3.00 Meters		iviax.	Max. 5.00 Meters	
19. HOSES							
For what products	are hoses su	uitable					
Number	Length				pressure	Flange	
N/A	N/A		N/A	N/A		N/A	
20. SPECIAL FACILITIES							
How many grades can vessel segregate?							
Indicate systems		, g			and 2/1 and	3/1 + 2+3	
Is vessel able to load/discharge two or more							
grades simultaneously?				Yes / 2 Grades			
Can vessel sail wi		s?			Yes		
164 1 30 30 3							

Yes / 1 of 125 m³ Capacity