

SHIP'S PARTICULARS

GENERAL		
Ship's name:	MORGENSTOND I	MORGENSTOND II
Previous ship's names	Beluga Locomotion, Kent Locomotion, Kent Sunrise, Clipper Athena	Beluga Legislation, Kent Legislation, Kent Sunset, Clipper Aurora
IMO number	9320506	9367073
Call sign	PHFO	PHJP
Built	2006	2007
Building number	836	7401
MMSI	246524000	244457000
Shipyard	DAMEN SHIPYARDS OKEAN, NIKOLAEV UKRAINE	
Classification	LLOYD'S REGISTER	
Classification notations	<p>100A1 Strengthened for Heavy Cargoes, Container Cargoes in Holds and on Upperdeck Hatch covers, LI</p> <p>Ice Class 1A FS at a draught of 8.117 metres</p> <p>Max/Min draughts: Forward: 8.117 / 4.00m Aft: 8.117 / 5.35m</p> <p>Required Power: 3928kW, Installed Power: 6000kW</p> <p>LMC UMS Tank Top Strengthened for Regular Discharge by Grabs with a Maximum Unladen Weight of 20 Tonnes; Parter Higher Tensile Steel ShipRight SCM ShipRight BWMP(T)</p>	
ISM/ISPS/MLC	BUREAU VERITAS	
Ice class	Finnish / Swedish 1A	
Port of registry	Delfzijl	
Flag	The Netherlands	
MAIN PARTICULARS		
DWCC (summer)	11000 ton	
Length over all	142.95 m	
Breadth over all	18.9 m	
Draughts	7.945 m	
TPC SSW	24.2 m	
Air draft in ballast	35 m	
Depth (moulded)	10.95 m	
Distance WL-HC in ballast	11 m	
GT	8999	

NT	4585	
CARGO CAPACITIES		
Total cubic feet capacity	609001 ft ³ grain / bale	
HOLDS / HATCHES		
	2 Holds and 2 hatches. Fully open hatch, fully box, double skinned. No understow, hatch clear opening 100%, narrow stepwise by container dimensions.	
Hold #1	Dimensions L B H	40.89 x 15.8 x 12.1 m
	Hatches L B	40.89 x 15.8 m
Hold #2	Dimensions L B H	55.86 x 15.8 x 12.1 m
	Hatches L B	55.86 x 15.8 m
ELECTRICAL VENTILATION	Electrical ventilation abt 30 fold air changes per hour basis empty hold	
DEHUMIDIFIER SYSTEM	Both holds are equipped with dehumidifiers	
FIRE FIGHTING SYSTEM	Both holds are equipped with fixed CO2 High Pressure System Both holds are equipped with Smoke Sampling System	
TWEENDECKS	The vessels are equipped with full tweendeck, consisting of loose tweendeck pontoons. Operations by means of ship cranes.	
	Panels in Hold #1	Weights T
	2 pcs panel A	30.4
	2 pcs panel B	24.0
	1 pc panel C	17.5
	1 pc panel D	20.3
	1 pc panel E	10.3
	Panels in Hold #2	
	8 pcs panel A	30.4
STRENGTHS	Uniform TUE/FUE maximum pressure of	
	Tanktop	18-20 t/m ²
	Tweendeck	4 t/m ²
	Weatherdeck	1.75 t/m ²
CARGO		
DANGEROUS CARGO	Both holds are fitted for Dangerous cargoes: Class 1.1-1.6 Explosives, Division 1,4 compatibility group 5. All other Classes,	
CONTAINER FITTED	Total 686 TUE capacity	
	In holds	312 TUE
	On deck	374 TUE
BULK	Bulk cargo certified A,B and C	
BALLAST TREATMENT SYSTEM	IMO and USCG approved	

TANK CAPACITIES		
	HFO	854 m ³
	MGO	105 m ³
	Water ballast capacity	4714 m ³
	Fresh water	77 m ³
SPEED / CONSUMPTION		
	At Sea	
	The figures are about and based on 7.93 m draft, clean bottom, even keel, deep and currentless waters, calm sea and max windforce 2 Beaufort and maximum sea temperature of 28°C, and shaft generator connected.	
	Speed	Consumption
	12.0 kn	17.0 HFO mts/day
	13.0 kn	18.0 HFO mts /day
	14.0 kn	19.0 HFO mts/day
	14.5 kn	21.5 HFO mts/day
	15.0 kn	23.0 HFO mts/day
	15.5 kn	25.5 HFO mts/day
	In Port	
	Condition	Consumption
	Idle	1.5 MGO mts/day
	Working gear	2.5 MGO mts/day
FUEL OIL SPECIFICATION		
	HFO-LS as per ISO 8217:2010 RMG 380 max 1.00 % sulphur. MGO as per ISO 8217:2010 DMA max 0.1% sulphur	
ENGINES		
	Main Engine	MAK 6M43, 6000kW at 500 rpm
	Reduction Gear	Flender ratio 4, 136 output 120 rpm
	Propeller	CCP Ø 5 m
	Bow Thruster	730 kW
CARGO GEAR		
	LIEBHERR CBW 2 x 80/60/40/30 t at 14/18/30/32 jib reach Working range 2 fall from 2.2-32 m Working range 4 fall from 4.5– 18 m	