

SIEM EDISON

VESSEL PARTICULARS



IMO NO. 9432892

TYPE: CAR CARRIER

Vessel's previous name(s)	M.V. LAKE WANAKA
Date delivered / Builder:	08th May 2008 / Xiamen Shipbuilding Ind. Co. Ltd., China
Flag / Port of Registry:	Liberia / Monrovia
Call sign / MMSI:	D5EZ8 / 636016206
Classification society:	Bureau Veritas
Class notation:	A1, Vehicle Carrier, AMS, ACCU

DIMENSIONS

Length overall (LOA):	182.80 m
Length between perpendiculars (LBP):	170.20 m
Breadth (Beam):	31.50 m
Moulded depth (main deck / upper deck):	12.80 / 31.80 m
Deadweight – design (MT / draft):	6,634 mt at 7.70 m
Deadweight – scantling (MT / draft):	12,272.4 mt at 9.016 m
Freeboard / displacement (summer):	3.814 m / 27,050.3 mt
Keel to masthead (normal / mast lowered):	48.70 / 46.40 m
Air draft (summer / mast lowered):	39.70 / 37.40 m
FWA / TPC (summer draft):	149 mm / 45.68 mt
Constant (excl. fresh water):	649 t
Lightship weight:	14,777.90 mt

TONNAGES

Net tonnage (NT):	14217
Gross tonnage (GT) / Reduced gross tonnage (if applicable):	46800 / NA
Suez Canal tonnage – gross / net (SCGT / SCNT):	50755.83 / 45582.37
Panama Canal net tonnage (PCNT):	46600

CARGO INTAKE INFORMATION

Deck No.	Type of Deck	Clear Height			Car Deck Area (m ²)	Capacity (Units)
		Lower (m)	Mid (m)	Upper (m)		
11	Fixed	2	N/A	N/A	5,043.70	585
10	Fixed	2	N/A	N/A	5,187.00	608
9	Fixed	2	N/A	N/A	5,191.40	615
8	Liftable	2	N/A	N/A	4,828.10	593
7	Fixed	2.2	4.1	4.1	4,458.90	523
6	Liftable	2.3	1.7	N/A	4,775.60	568
5	Fixed	3	3.6	5.3	4,628.24	515
4	Liftable	2.2	1.7	N/A	2,282.60	263
3	Fixed	2.5	3	4.7	2,024.80	234
2	Fixed	2	N/A	N/A	1,915.50	219
1	Fixed	2	N/A	N/A	1,475.70	165

Total Car Stowage

(Basis Car Size RT 43L; L x W x H: 4125 mm x 1550 mm x 1420 mm;

Stowage distance of 300 mm fore & aft car to car and 100 mm right and left car to car)

Total: 4,888 units

RAMP CAPACITY

Ramp	Stern	Side
Deck	5	5, 6a, 6b
Total ramp length	26 m	19.90 m
Total width of ramp	8.60 m (Flaps 10.25m)	5.24 m (Flaps 7.40m)
Effective Width of Runway	7.60 m	4.60 m
Opening Size of the Hull	W: 7.6 m, H: 5.78 m	W: 4.6 m, H: 5.30 m

PERMISSIBLE LOADS

Permissible Loads	Stern Ramp	Side Ramp
Dump truck or trailer, gross weight	120 T	10 T
Axle load	55 T / 4W	5 T / 2W

ENGINES

Description	No.	Maker	Capacity / Details
Main engine / capacity	1	HYUNDAI MAN B&W	9S50MC-C – 19,334 BHP / 14,220 kW × 127 RPM (MCR)
Aux engines / capacity	12	MAN B&W	6L23/30H – 792 kW 8L23/30H – 1,056 kW
Bow thrusters	1	K.H.I.	KT130BT – 1,496 BHP
AMP (Cold Ironing) (Y/N)			NO
Rudder Type			Standard
Type of Turbo Charger Cut Off (TCCO) System			Blank
If Blank arrangement, time required for Blanking / Unblanking			6 hrs / 6 hrs

Scrubber type / maker

Open loop / Clean Marine

Scrubber unit power consumption @ 30 % MCR

110 kW

Scrubber unit power consumption @ 50 % MCR

200 kW

Bunker consumption

0.6 MT / Day basis M/E at 30% MCR and A/E at 30%

1.0 MT / Day basis M/E at 50% MCR & A/E at 50%

BUNKER TANK CAPACITY

HFO (basis 90%) (including service- and settling tanks)

Approx. 3,323.60 m³

MDO / MGO (basis 90%) (including service- and settling tanks)

Approx. 233.51 m³

Total fuel capacity (swing tank in use)

Approx. 2,714.4 m³

Diesel capacity (swing tank in use)

Approx. 1,030.0 m³

No.2 HFO Stbd swing tank

784.2 m³ (usable for HFO or MDO/MGO with notice)

BUNKER SPECIFICATION

Fuel oil specification

ISO 8217:2017 RMG380 (biofuel blends at 2024 edition, max 30% m/m i.e. B30), MARPOL Annex VI compliant.

Diesel oil / MGO

ISO 8217:2017 DMA grade (biofuel blends at 2024 edition, max 30% m/m i.e. B30), MARPOL Annex VI compliant