

# SIEM DARWIN

## VESSEL PARTICULARS

**IMO NO. 9713882**

**TYPE: PCTC**



### GENERAL INFORMATION

|                                  |                            |
|----------------------------------|----------------------------|
| <b>Vessel's previous name(s)</b> | M.V.LAKE GENEVA            |
| <b>Date delivered / Builder:</b> | 27 Jan 2015/IMABARI -JAPAN |
| <b>Flag / Port of Registry:</b>  | Singapore / Singapore      |
| <b>Call sign / MMSI:</b>         | D5GF5 / 636016445          |
| <b>Classification society:</b>   | Bureau Veritas (BV)        |

### DIMENSIONS

|                                                  |                  |
|--------------------------------------------------|------------------|
| <b>Length overall (LOA):</b>                     | 199.9 m          |
| <b>Length between perpendiculars (LBP):</b>      | 192 m            |
| <b>Breadth (Beam):</b>                           | 32.26 m          |
| <b>Moulded depth (main deck / upper deck):</b>   | 34.48 m          |
| <b>Deadweight – design (MT / draft):</b>         | 12900 mt at 9 m  |
| <b>Deadweight – scantling (MT / draft):</b>      | 17900 mt at 10 m |
| <b>Keel to masthead (normal / mast lowered):</b> | 49 / 45.69 m     |
| <b>Air draft (summer / mast lowered):</b>        | 38.98 / 35.67 m  |
| <b>TPC (summer draft):</b>                       | 51.9 mt          |

### TONNAGES

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| <b>Net tonnage (NT):</b>                               | 19125               |
| <b>Gross tonnage (GT):</b>                             | 59516 / N/A         |
| <b>Suez Canal tonnage – gross / net (SCGT / SCNT):</b> | 64613.01 / 60744.47 |
| <b>Panama Canal net tonnage (PCNT):</b>                | 59441               |

## CARGO INTAKE

No. of Car Deck: 11 + GARAGE DECK

| Deck No. | Deck Name / Type      | Effective Deck Area | Lower Height (m) | Mid Height (m) | Upper Height (m) |
|----------|-----------------------|---------------------|------------------|----------------|------------------|
| G        | Garage Deck           | 342                 | 2.37             | N/A            | 1.85             |
| 11       | Car Deck              | 703                 | 2.565            | N/A            | 1.85             |
| 11U      | Car Deck under Garage | —                   | 2.44             | N/A            | 1.85             |
| 10       | Car Deck              | 699                 | 2.62             | N/A            | 2.2              |
| 9        | Car Deck              | 696                 | 2.64             | N/A            | 2.2              |
| 8        | Liftable Car Deck     | 675                 | 2.84             | 3.19           | 4.79             |
| 7        | Liftable Car Deck     | 546                 | 2.2              | 2.55           | 4.2              |
| 6        | Liftable Car Deck     | 626                 | 3.68             | 4.03           | 5.71             |
| 5        | Car Deck              | 555                 | 3.05             | 3.4            | 5.1              |
| 4        | Car Deck              | 395                 | 2.2              | N/A            | 3.15             |
| 3        | Car Deck              | 368                 | 2.2              | N/A            | 2.63             |
| 2        | Car Deck              | 317                 | 2.2              | N/A            | 2.63             |
| 1        | Car Deck              | 257                 | 1.85             | N/A            | 2.29             |

Basis Car Size RT 43L: L × W × H: 4125 mm × 1550 mm × 1420 mm

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

**TOTAL: 6,179 units**

## RAMP CAPACITY

|                           | Side Ramp                                                | Stern Ramp                 |
|---------------------------|----------------------------------------------------------|----------------------------|
| Deck                      | 4 & 5                                                    | 5                          |
| Total Ramp Length         | 17 m                                                     | 32 m                       |
| Total Width of Ramp       | 5.5 m                                                    | 10.05 m                    |
| Effective Width of Runway | 4.5 m                                                    | 8 m                        |
| Opening Size of the Hull  | 5.1 m × 4.1 m (No. 5 deck)<br>5.1 m × 2.5 m (No. 4 deck) | 8.6 m × 5.6 m (No. 5 deck) |

## PERMISSIBLE LOADS

|              | Side Ramp | Stern Ramp |
|--------------|-----------|------------|
| Gross Weight | 20mt      | 80 mt      |
| Axle Load    | 10 mt     | 40 mt      |

## ENGINES

| Description            | No | Maker                      | Capacity  |
|------------------------|----|----------------------------|-----------|
| Main engine / capacity | 1  | Mitsubishi 7UEC60LS-ECO-A2 | 12,120 kW |
| Aux engines / capacity | 3  | Daihatsu 6DE-23            | 1,100 kW  |
| Bow thrusters          | 1  | Kawasaki KT-157B5          | 1,290 kW  |
| AMP (Y/N)              |    | N                          |           |
| Rudder Type            |    | Becker Rudder              |           |

## SCRUBBER SYSTEM & CONSUMPTION

**Scrubber type / maker**

Open loop / Clean Marine

**Additional bunker consumption**

approx 0.7 MT/day @ 50% MCR

## BUNKER SPECIFICATION

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

2216.8 m3

**LSMGO (basis 90%) (including service- and settling tanks) (0.1% S)**

536.5 m3

**Fuel Oil Specification**

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

**MGO Specification**

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