

Formosaproduct Alpine

GENERAL INFORMATION

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|---------------------------|--|
| 1.3 IMO Number | 9266750 |
| 1.8 Flag | Liberia |
| 1.9 Port of Registry | MONROVIA |
| 1.11 Call sign | A8FF4 |
| 1.12 INMARSAT number | 764095441(Bridge) 964095442 (CAPT/Rm) |
| 1.13 Ship's fax number | 600509563(audio 31) |
| 1.14 Ship's telex number | I-F/600509561, I-C/463699955 |
| 1.15 Mobile Phone Number | 886-972290170 |
| 1.16 Ship's Email address | formosaalpine@ship.rydex.com.sg |
| 1.17 Type of ship | Oil Tanker |
| 1.18 Vessel's MMSI No. | 636012393 |
| 1.19 Type of Hull | Double hull |

OWNERSHIP AND OPERATION

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| 1.20 Name of the Registered Owner | FORMOSA ALPINE MARINE CORPORATION |
| 1.20.1 Full address | 80 BROAD STREET MONROVIA, LIBERIA |
| 1.20.2 Office telephone number | 886-2-27198864 |
| 1.20.3 Office telex number | 27785-FPSHIP |
| 1.20.4 Office fax number | 886-2-27193258 |
| 1.20.5 Office Email address | tai-fpmc@fpg.com.tw |
| 1.20.6 Contact person | Capt.M.C.Tai |
| 1.20.7 Contact person after hours telephone number | 886 922 562 234 |
| 1.22 Name of Technical Operator | FORMOSA PLASTIC MARINE CORPORATION |
| 1.22.1 Full Address | 201 TUNG-HWA NORTH RD. TAIPEI, TAIWAN ROC |
| 1.22.2 Office telephone number | 886-2-2712-2211 |
| 1.22.3 Office telex number | 27785FPSHIP |
| 1.22.4 Office fax number | 886-2-2719-3258 |
| 1.22.5 Office Email address | tai_fpmc@fpg.com.tw |

BUILDER

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|--------------------------------|--|
| 1.26 Builder | Universal Shipbuilding Co. Maizuru Japan |
| 1.27 Date of building contract | 14 December 2001 |
| 1.28 Hull numbe | S.No 4998 |
| 1.29 Date keel laid | 23 February 2004 |
| 1.30 Date launched | 5 June 2006 |
| 1.31 Date delivered | 24 November 2004 |

CLASSIFICATION

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|-----------------------------|--|
| 1.34 Classification society | Bureau Veritas (BV) |
| 1.35 Class Notation | 1: Hull; +Mach; Oil Tank ESP; Unrestricted; +VeriSTAR-Hull; A UT-UMS; MONSHAFT; SDS; SPM; VCS |

DIMENSIONS

| | |
|--|---------------|
| 1.49 Length overall (LOA) | 228.5 Meters |
| 1.50 Length between perpendiculars (LBP) | 219 Meters |
| 1.51 Extreme breadth | 32.2 Meters |
| 1.52 Moulded breadth | 32.2 Meters |
| 1.53 Moulded depth | 19.6 Meters |
| 1.54 Keel to masthead | 48.213 Meters |
| 1.55 Distance bow to bridge | 190.8 Meters |
| 1.56 Distance bridge front - mid point manifold | 73.65 Meters |
| 1.57.1 Distance bow to mid-point manifold | 117.15 Meters |
| 1.57.2 Distance stern to mid-point manifold | 111.35 Meters |
| 1.57.3 Parallel body (light ship) | 72.169 Meters |
| 1.57.4 Parallel body, forward to mid-point manifold (light ship) | 39.725 Meters |
| 1.57.5 Parallel body, aft to mid-point manifold (light ship) | 32.444 Meters |
| 1.57.6 Parallel body (normal ballast) | 113.49 Meters |
| 1.57.7 Parallel body, forward to mid-point manifold (normal ballast) | 69.2 Meters |
| 1.57.8 Parallel body, aft to mid-point manifold (normal ballast) | 44.29 Meters |
| 1.57.9 Parallel body at loaded summer deadweight (SDWT) | 131.48 Meters |
| 1.57.10 Parallel body, forward to mid-point manifold at loaded SDWT | 74.39 Meters |
| 1.57.11 Parallel body, aft to mid-point manifold at loaded SDWT | 57.09 Meters |
| 1.58 Does ship have a bulbous bow? | Yes |

TONNAGES

| | |
|--|-----------------|
| 1.59 Net Registered Tonnage | 20742 Tonnes |
| 1.60 Gross Tonnage | 39307 Tonnes |
| 1.61 Suez Tonnage | 40717.77 Tonnes |
| 1.61.1 Suez Canal Gross Tonnage (SCGT) | 40717.77 Tonnes |

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| 1.61.2 Suez Canal Net Tonnage (SCNT) | 37812.58 Tonnes |
| 1.62 Panama Tonnage | 32500 Tonnes |

LOADLINE INFORMATION

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|---|-----------------|
| 1.63.1 Summer Freeboard | 6.080 Meters |
| 1.63.2 Summer Draft | 13.559 Meters |
| 1.63.3 Summer Deadweight | 69995 Tonnes |
| 1.63.4 Summer Displacement | 82549 Tonnes |
| 1.64.1 Winter Freeboard | 6.363 Meters |
| 1.64.2 Winter Draft | 13.278 Meters |
| 1.64.3 Winter Deadweight | 68108 Tonnes |
| 1.64.4 Winter Displacement | 80662 Tonnes |
| 1.65.1 Tropical Freeboard | 5.733 Meters |
| 1.65.2 Tropical Draft | 13.906 Meters |
| 1.65.3 Tropical Deadweight | 72334 Tonnes |
| 1.65.4 Tropical Displacement | 84888 Tonnes |
| 1.66.1 Lightship Freeboard | 17.319 Meters |
| 1.66.2 Lightship Draft | 2.52 Meters |
| 1.66.3 Lightship Deadweight | 0 Tonnes |
| 1.66.4 Lightship Displacement | 12554 Tonnes |
| 1.67.1 Normal Ballast Condition Freeboard | 13.22 Meters |
| 1.67.2 Normal Ballast Condition Draft | 6.421 Meters |
| 1.67.3 Normal Ballast Condition Deadweight | 24294 Tonnes |
| 1.67.4 Normal Ballast Condition Displacement | 36848 Tonnes |
| 1.68.1 Segregated Ballast Condition Freeboard | 13.23 Meters |
| 1.68.2 Segregated Ballast Condition Draft | 6.409 Meters |
| 1.68.3 Segregated Ballast Condition Deadweight | 24219 Tonnes |
| 1.68.4 Segregated Ballast Condition Displacement | 36773 Tonnes |
| 1.69 FWA at Summer Draft (Freeboard) | 306 Millimeters |
| 1.70 TPC Immersion at Summer Draft (Freeboard) | 67.16 Tonnes |
| 1.71.1 Draught Fore at normal ballast conditions (Freeboard) | 5.35 Meters |
| 1.71.2 Draught Aft at normal ballast conditions (Draft) | 7.68 Meters |
| 1.72 Does ship have Multiple SDWT ? | Yes |
| 1.73 If yes, what is maximum assigned Deadweight? | 69995 Tonnes |
| 1.74 What is the max. height of mast above waterline (air draft) in normal SBT condition? | 41.972 Meters |

CARGO TANK CAPACITIES

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|---|-------------------|
| 8.3.16 Wings (P & S combined) Number 1 Capacity (98%) | 10598.8 Cu Meters |
| 8.3.17 Wings (P & S combined) Number 2 Capacity (98%) | 13448.6 Cu Meters |
| 8.3.18 Wings (P & S combined) Number 3 Capacity (98%) | 13523 Cu Meters |
| 8.3.19 Wings (P & S combined) Number 4 Capacity (98%) | 13523 Cu Meters |
| 8.3.20 Wings (P & S combined) Number 5 Capacity (98%) | 13523 Cu Meters |
| 8.3.21 Wings (P & S combined) Number 6 Capacity (98%) | 12647.8 Cu Meters |
| 8.5 Slops 1st Tank Capacity (98%) | 1190.9 Cu Meters |
| 8.5.1 Slops 2nd Tank Capacity (98%) | 1190.9 Cu Meters |
| 8.6 Wings (P & S combined) Total Capacity (98%) | 77264.2 Cu Meters |
| 8.8 Centre Tank Total Capacity (98%) | 2381.8 Cu Meters |
| 8.9 Wings (P & S combined) Total Capacity (98%) | 77264.2 Cu Meters |
| 8.10 Grand Total Capacity (98%) | 79646 Cu Meters |

MAIN PROPULSION

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| 12.1 Means of main propulsion | MOTOR |
| 12.1.1 If motor state whether two stroke or four stroke | 2 Stroke |
| 12.2 Does vessel have single or twin propellers? | Single |
| 12.3 Is vessel fitted with fixed or controllable pitch propeller(s)? | Fixed Pitch |
| 12.4 How many boilers are fitted? | 1 |
| 12.4.1 What is rated output of boilers? | 30 Tonnes/Hour |
| 12.5 What type of fuel is used for main propulsion? | HFO/380 cst |
| 12.6 Are pressurised fuel pipes double sheathed? | Yes |
| 12.7 When moored at SBM, is main engine capable of being run astern at low revolutions for extended periods (up to 24 hours continuously)? | Yes |
| 12.8 Is vessel capable of maintaining speed below 5 Knots? | Yes |
| 12.9 Is vessel fitted for Unmanned Machinery Space (UMS) operation? | Yes |
| 12.9.1 Is vessel operated in UMS mode? | Yes |
| Main Engine | MAN B&W 7S50MC-MK6 |
| Out put | 10,010 KW x 127 rpm |

GENERATORS

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|---|---------------------|
| 12.13 How many power generators are fitted? | 3 |
| 12.13.1 Indicate type of power generator(s) | Yanmar |
| 12.14 What type of fuel is used in the generating plant? | HFO/380 cst |
| 12.15 Is vessel fitted with emergency generator or batteries? | Emergency Generator |

MAIN ENGINE AIR START COMPRESSORS

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|---|----------|
| 12.16 Number of main engine start compressors | 2 |
| 12.17 Operating pressure | 29.4 Bar |

BUNKERS

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|--------------------------------|------------------|
| 12.19.1 Fuel Oil (Tank Name) | #1 FOT (P) |
| 12.19.2 Fuel Oil (Capacity) | 938.6 Cu Meters |
| 12.19.3 Diesel Oil (Tank Name) | MDO(T)(P) |
| 12.19.4 Diesel Oil (Capacity) | 289.4 Cu Meters |
| 12.20.1 Fuel Oil (Tank Name) | #1 FOT (S) |
| 12.20.2 Fuel Oil (Capacity) | 1322.1 Cu Meters |
| 12.20.3 Diesel Oil (Tank Name) | MDOser(p) |
| 12.20.4 Diesel Oil (Capacity) | 23.2 Cu Meters |
| 12.21.1 Fuel Oil (Tank Name) | HFO sett(p) |
| 12.21.2 Fuel Oil (Capacity) | 113 Cu Meters |
| 12.22.1 Fuel Oil (Tank Name) | HFO serv(p) |
| 12.22.2 Fuel Oil (Capacity) | 113 Cu Meters |
| 12.23.1 Fuel Oil (Tank Name) | FO overflow |
| 12.23.2 Fuel Oil (Capacity) | 53.6 Cu Meters |

STEERING GEAR

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| 12.26 What type of steering gear fitted? | Cylinder |
| 12.27 How many motorized hydraulic pumps or motors fitted? | 2 |
| 12.28 How many telemotors fitted? | 2 |
| 12.29 Is an emergency rudder arrest/rudder control fitted? | Yes |