

MV PAC ALKAID

Description

Single screw, self-sustaining, multi-purpose container vessel, with double skin, box shaped cargo holds and a double tier of flush removable 'tween decks.

The vessel is non-cellular, but fully fitted for the carriage of palletized natural rubber, steel containers, grain or other cargoes in bulk and other unitized general cargoes in bags, bulk, breakbulk etc. The vessel is fitted for unrestricted service and for unmanned machinery spaces.

Principal Particulars

Type : Multi-purpose, triple deck, container/bulk carrier
Owner : Alkaid Maritime Limited
Disp. Owner : Paccship (UK) Ltd.
Managers : Paccship (UK) Ltd.
Builders : Kouan Shipyard, China
Hull No. : WM 25000-2
Built : Oct-03
Class : American Bureau of Shipping
Notation : + A1(E), Container & Bulk Carrier, SH, +AMS, +ACCU
Official No. : 389861
IMO No. : 9265914
Port of Registry : SINGAPORE
Call Sign : S6DU6
MMSI No. : 563 880 000
Inmarsat-C : 456 388 040 a/b ALKD
Inmarsat-B : voice – 356 388 050
: fax – 356 388 060
: data – 356 388 070
: telex – 356 388 080 a/b ALKD
Deadweight : see table below
TEU : 1,364 TEU (On deck: 760 + In hold: 604)
FEU : 649 (On deck: 355 + In hold: 294)

Principal Dimensions

LOA : 178.8m
LBP : 169.4m
Beam Moulded : 27.20m
Depth Moulded : 14.20m
Summer Draft : 10.427m
GRT : 20471
NRT : 10630

Mark	Deadweight	Draft	Displacement	Freeboard
Summer	27,464	10.427m	38,046 mt	3.803m
Tropical	28,377	10.644m	38,958 mt	3.586m
Winter	26,557	10.21m	37138 mt	4.020m
Tropical FW	28,377	10.872m	38,958mt	3.358m
Summer (FW)	27,464	10.655m	37,092 mt	3.575m
Lightship:	10,581 mt	FWA: 228m	TPC at summer draft : 41.95	

Airdraft on summer marks (Even keel) : 36.60 metres

m.v. *Pac Alkaid* – time charter description

Machinery

Main Engine : Mitsubishi 6UEC50LSII
Engine Power : MCR 8,250kW @ 124 rpm / 11,217 hp
Generators : 3 Daihatsu x 700kw
Bow Thruster : 1,000 kW / 1,340 hp thrust, electrically driven

Cargo cranes

No. 1 : 1 x 40mt SWL @ 26m
No. 2A : 1 x 45 mt SWL @ 22m, 37 mt @ 28m, 30 mt @ 31m
No. 2B : 1 x 45 mt SWL @ 22m, 37 mt @ 28m, 30 mt @ 31m
Cranes 2A & 2B can be Geminied to lift 70mt/85mt @ 28m/22m resp. using a Twin Beam.
No. 3 : 1 x 40mt SWL @ 26m
Using a Team Beam which is warehoused at selective ports, loads of upto 120 mt can be lifted using 3 cranes.

Type : Electro-Hydraulic

Speed & Consumption

15.25 knots on about 30.5 mt IFO 380cSt / day (M/E only) basis design draft, 85% MCR and 15% sea Margin

A/E Consumption:

At sea : About 2.8 mt IFO 380cSt / day (on 1 generator only)
In port : About 3.5 / 2.0 mt IFO 380cSt / day with / without ship's cranes operating

Minor quantities of MDO are consumed when starting / stopping the diesel generators and when manoeuvring in confined waters / canals / rivers and during mooring operations (about 0.30 mt)

Min. bunker quality specification:

IFO 380 : ISO 8217(E) - RMG 35
MDO : ISO 8127(E) - DMC

Endurance : About 46 days

Range : About 16,560 nm

Cargo Holds

Grain Capacity : 37,868 cbm (excluding no.1 cargo hold)

Holds/Hatches : 5 Holds / 9 Hatches

Ventilation : Mechanical

Ventilation rate : 15 air changes/hour

Features : Tween deck pontoon covers removable and inter-changeable for Nos. 2 to 5.

: The covers are stowed on deck and in No. 1 cargo hold, converting Nos. 2 to 5 cargo holds into single boxed shaped holds.

: Certified for carriage of grain and bulk cargoes with untrimmed ends and in alternate holds.

: Certified for carriage of certain IMDG dangerous goods

Hatch Covers

Upper Deck : Hydraulically operated folding pairs (MacGregor)

Tween Decks : Pontoon lift-away type which may be operated with ship's cranes. All pontoon covers, except for Hold No. 1, are interchangeable.

Hold Dimensions (L X B x D (m))

No.1	UTD	: 11.1 x 9.75 x 5.5
	LTD	: 11.1 x 9.75 x 4.6
	LH	: 11.1 x 9.75 x 4.6
No.2	UTD	: 29.9 x 18.2/23.6 x 4.6
	LTD	: 29.9 x 18.2/23.6 x 6.6
	LH	: 29.9 x 18.2/23.6/13.2 x 4.7
No.3	UTD	: 32.1 x 23.6 x 4.8
	LTD	: 32.1 x 23.6 x 3.6
	LH	: 32.1 x 23.6 x 4.7
No.4	UTD	: 31.2 x 23.6 x 4.8
	LTD	: 31.2 x 23.6 x 3.6
	LH	: 31.2 x 23.6 x 4.7
No.5	UTD	: 28.0 x 23.6 x 4.80
	LTD	: 28.0 x 23.6 x 3.60
	LH	: 15.1 x 13.2 / 23.4 x 4.7 (fwd: frame 58)
	LH	: 21.4 x 8.6 /18.3 x 4.7 (aft: frame 49)

Hatch Openings (L X B (mtrs))

No.1	: 7.70 x 11.00
No.2 (for'd)	: 12.87 x 8.46
No.2 (aft)	: 12.87 x 10.9
Nos. 3 - 5	: 25.64 x 10.9 (P & S)

Container intake (Deck + Hold = Total (TEU))

No.1	: 10 + 0 = 10
No.2	: 106 + 156 = 262
No.3	: 208 + 160 = 368
No.4	: 208 + 160 = 368
No.5	: 224 + 128 = 352
Bay 37	: 4 = 4
Total	: 760 + 604 = 1,364

(Deck + Hold = Total (FEU))

No. 2	: 51 + 76 = 127
No. 3	: 88 + 80 = 168
No. 4	: 104 + 80 = 184
No. 5	: 112 + 58 = 170
Total	: 355 + 294 = 649

50 reefer containers can be stowed; the vessel's working voltage is 440v.

Stack Weights

Containers (TEU / FEU(mt))

On Deck:

No.1	: 30 / 0
No.2	: 40 / 50
Nos.3 to 5	: 40 / 80

In Holds:

5 tiers	: 100 / 150
6 tiers	: 120 / 180

Uniform loading (mt/psm)

Hatch Covers	: 1.75
Tweendeck	: 3.5 (with 3.5mt FLT)
Lower hold	: 20.0

Description provided good faith and without guarantee