

FURNESS AUSTRALIA – T/C Description

(ALL FIGURES APPROXIMATE)

Type of Vessel: Single deck, self-trimming bulk carrier with engine and bridge aft, no permanent or collapsible stanchions, and unobstructed holds suitable for grab discharging.

Flag: Panamanian
Port of Registry: Panama
When built: 2001
Where built: Tsuneishi Shipbuilding Co. Ltd., Numakuma, Hiroshima Pref.

Official Number: 29949-KJ
Call Sign: H9NZ
Inmarsat Number: Type B 335247710 TEL Type C 435247710
335247711 FAX
335247712 DATA
335247710 TLX

Classification: NK NS* (Bulk Carrier, Strengthened for heavy cargoes, Nos. 2 and 4 holds may be empty) ESP MNS* MO

Gross Tonnage: 30,066
Net Tonnage: 18,207
Summer deadweight:: 52,489 KT on 12.00 M (mld.) 0.024 M (ext.)
Design draft deadweight: 46,969 KT on 11.00 M (mld.) “
Tropical deadweight/draft: 53,879 KT on 12.25 M (mld.) “
Winter deadweight: 51,103 KT on 11.75 M (mld.) “
Light weight: 8,300 KT
Maximum constants (Excluding fresh water:+ About 250 KT

Panama Canal Tonnage: Total volume in cubic meters 100,220.32 Net: 24,955
Suez Canal Tonnage: Gross 30,952.69 Net 28,275.68

L.O.A./L.P.P. Abt. 190.00 M / 182.00 M
Breadth moulded: 32.26 M
Depth moulded: 17.00 M
Tons per centimetre Immersion
when fully loaded: 55.5 t/cm

Cargo Gear: Four (4) cranes each at 30.5 tons
Max. slewing radius: 26 m
Hoisting speed: 18.5 m/min
Outreach from ship's rail at max SWL abt. 9.5 m

Grab: Four (4) sets of elect-hyd type grabs
“Tobu Jukogyou” ESHH 12/6 m3

Nos. of hatches/holds: 5 hatches, 5 holds
Hatch size: No. 1 20.40 M x 18.40 M
Nos. 2- 5 21.25 M x 18.40 M

Type of hatch covers: Electro-hydraulic, fore/aft folding type

Continued:

Tank tops: Steel covered and suitable for grab discharge

Dimensions: No. 1 hold	Fore 8.4 M	Aft 23.6 M	Length 27.3 M
No. 2 hold	Fore 23.6 M	Aft 23.6 M	Length 28.8 M
No. 3 hold	Fore 23.6 M	Aft 23.6 M	Length 28.0 M
No. 4 hold	Fore 23.6 M	Aft 23.6 M	Length 28.8 M
No. 5 hold	Fore 23.6 M	Aft 10.6 M	Length 27.1 M

Strengths per square metre: Deck Nos. 1 – 5: Abt. 3.45 MT/M2 (Except between hatch ends)

Hatch No. 1: Abt. 1.75 MT/M2

Tank top No. 1: 22.00 No. 2: 17.00 No. 3: 25.00
No. 4: 17.00 No. 5: 22.00 MT/M2

Capacities:	Grain	Bale
No. 1 hold	12,663.8	12,418.6
No. 2 hold	14,635.8	14,204.8
No. 3 hold	13,471.1	13,043.9
No. 4 hold	14,532.1	13,940.5
No. 5 hold	<u>12,453.5</u>	<u>11,992.7</u>
Total:	67,756.3 M3	65,600.5 M3

Tank capacity: Diesel Oil 183.9 M3
Fuel Oil 2,339.4 M3
Fresh and drink water 409.4 M3
Ballast Water 28,930.0 M3 (incl. No. 3 hold)

Hold floodable with seawater and its capacity: No. 3 cargo hold 13,522.9 M3

Bunker grade IFO (IF-380 CST) ISO RMH35 and MDO ISO8217 DMB
Vessel is entitled to use more diesel oil in narrow/shallow/busy water areas etc. canals, in and out of ports and engine starting/stopping

Service Speed and consumption ("about"):
Under good weather condition up to and including Beaufort force 4
Laden about 14 knots
About 30 MT IFO for main engine plus about 0.2 MT MDO for auxiliary engine.

Consumption in port:

Idle:	abt. 2.5 MT/IFO + abt. 0.5 MT/MDO
Gear working (8 hrs):	abt. 3.8 MT/IFO + abt. 0.8 MT/MDO
Gear working (24 hrs):	abt. 5.0 MT/IFO + abt. 1.0 MT/MDO

Type and horsepower of Main Engine: Mitsui Man – B&W 6S50 MC (Mark VI)
M.C.R. 10,600 ps (7,800 kw) x 116 r.p.m.
N.S.R. 9,010 ps (6,630 kw) x abt. 110 r.p.m

Type and horsepower of Gen. Engine: Daihatsu 3DK-20
635 ps (455 kW) x 900 r.p.m. x 3 sets

Fire fighting system: CO² fire ext. system fitted for all cargo holds and Engine room

Continued:

Australian ladders: Fitted in all holds

Ventilation: Natural

Evaporator's capacity: 20 tons per day

Pump/Deballasting capacity: 1,350 m³ x 1 set per hour

Distance from water level to top of hatch coaming:

Hatch Nos. 1/3/5: 8.7 m/7.0 m/7.0 m if fully loaded conditions
16.9 m/14.0 m/13.3 m if fully ballasted (holds not flooded)
12.7 m/11.2 m/11.0 m if hold also flooded

Distance from water level to top of the mast:

Mast top. 34.0 M if fully loaded condition
40.1 M if fully ballasted condition (holds not flooded)
38.0 M if holds also flooded

Distance from tanktop to underside of hatchcovers:

No. 1 about 18.65 M
No. 2 about 17.51 M
Nos. 3 – 5 about 17.35 M
(Hatchcover depth abt. 0.9 M)

All figures "about".