

FURNESS HARTLEPOOL – 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: 2006
Where built: Tsuneishi Shipbuilding Co. Ltd., Cebu, Philippines.

IMO Number: 9309631
Call Sign: 3EFG5
Inmarsat Number: Type B 764622497/98
TEL Type C 435527120
FAX 764622499

Classification: BV {Bulk Carrier, Strengthened for heavy cargoes, Nos. 2 and 4 holds may be empty}.ESP

Gross Tonnage: 30,027
Net Tonnage: 17,843
Summer deadweight: 52,481 MT on 12.022M
Tropical deadweight/draft: 53,871 MT on 12.272M
Winter deadweight: 51,095 MT on 11.772M
Light weight: 8, 291 MT
Maximum constants {Excluding fresh water}: +About 250 KT

Panama Canal Tonnage: Net: 24,923
Suez Canal Tonnage: Gross 30,9856.75 Net: 28,231.99

L.O.A./L.P.P.: Abt. 189.99M / 182.87M
Breadth moulded: 32.26M
Tons per centimetre Immersion
when fully loaded: 55.5 t/cm

Cargo Gear: Four {4} cranes each at 30 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" EHSB 12/6 m3

Continued:

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

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>
	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 {24 hrs}:	abt 5.0 MT/IFO + abt. 1.0 MT/MDO

Continued:

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: Yanmar 6N18AL-DV
{500 kW} x 900 r.p.m. x 3 sets

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

Australian ladders: Fitted in all holds

Ventilation: Natural

Evaporator's capacity: 20 tons per day

Pump/Deballasting capacity: 800 m³/h x 2 sets

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".