



MV FWN LEON

MAIN PARTICULARS:

Flag	: Antigua	
Port of registry	: St. Johns	
Built:	: 2002, Volharding Shipyards	
Type	: Multipurpose geared single-deck cargo ship Strengthened for heavy cargo	
Class	: DNV-GL	
IMO Nr.	: 9245263	
P&I	: Hanseatic	

GENERAL DIMENSIONS:

GT/NT	: 6806 / 3892
DWT summer sw	: 10.300 mts
DWT winter sw	: 9.934 mts
Draft fully laden ssw	: 7,68 m
Draft ballast fore/aft	: 3,4/5,4 m
LOA	: 138,86 m
LPP	: 130,50 m
Beam	: 15,87 m
Ballast airdraft	: 38 m (minus draft)
Distance wl/hc	: 7,34 m (minus ballast)

GEARS:

Cranes (portside)	: 2 x 40 mts, combinable
Outreach, capacity	: 40 mt (up to 20 m); 30 mt (up to 30 m)

No spreader on board, lifting capacity is subject vessel's stability and depends on cargo/ballast on board

DECK STRENGTH:

Tanktop strength	: 15,0 mts / m2
Hatchcover strength	: 1,75 mts / m2

CONTAINER DATA:

Container intake	: 522 TEU; of which 238 TEU on deck
Stack loads	: hold TEU 100 mts FEU 120 mts deck TEU 26 mts FEU 48 mts
Reefer plugs	: 50, on deck only

Intake is always subject vessel's stability, trim, permissible weight and is subject to regulations of visibility. Container as well as grain/bale capacity assumes grain bulkheads ashore.

HOLD PARTICULARS:

Grain capacity	: 486.100 cbft (13.770 cbm) – w/o b/h in hold 479.463 cbft (13.582 cbm) – with b/h in hold
Holds/hatches	: 2/2; boxshaped, openhatch
Hold No 1 / 2 (grain)	: 219.000 / 260.300 cbf (6.204/7.374 cbm)
Hold 1 (LxBxH)	: 46,62 x 13,20 x 10,83 m (narrowing fore)
Hold 2 (LxBxH)	: 52,54 x 13,20 x 10,83 m (narrowing aft)
Hatch 1+ 2	: 47,02 + 52,94 m x 13,50 m
Hatch covers	: pontoon
Moveable bulkheads	: 2 bulkheads (8 positions)
Hold ventilation	: 10 air changes per hour B.E.H.

AREA AVAILABLE:

Tanktop	: 1.235 m2
Deck	: 1.348 m2
Total	: 2.583 m2

MACHINERY:

Main engine	: MAK 8M32C – 3.840 kw
Auxiliary engines	: 2 x 335 kW
Shaft generator	: Stamford HCM634 G2
Bow/stern thruster	: 500/450 kW
Propeller	: CPP
Speed/consumption	: 12 kn on 12,5 mts RMG 380 per day
Port consumption per day	: 1,0 mts MGO (idle) / 2,5 mts MGO (working)

HFO – ISO8217:2010e – Category ISO/F – RMG380
MGO – ISO8217:2005e – Category ISO/F – DMA

Speed and consumption figures are "about" and calculated basis sailing even keel on max Beaufort 3 / DS 3 and seawater temperature max 26 C.

No MGO at sea provided shaft generator connected except if hold ventilation is used, reefers connected and in case of emergency and/or maneuvering in/out of ports and when navigation is shallow, narrow or other constraint waters.

TANK CAPACITIES (bss 100% filling):

HFO	: 315 cbm (incl day+settling tank)
MGO	: 134 cbm (incl day+settling tank)
Fresh water	: 72 cbm
Ballast water	: 3.988 cbm