

# MV "Star Fairfield"

IMO NO. 9575230 FLAG: Liberian BUILD: 2013

## DRAUGHT SURVEY CERTIFICATE

PGUA/DS/343/25

	INITIAL SURVEY	FINAL SURVEY
	Wharf 214	Wharf 214
	27.11.2025 - 23:10 h	29.11.2025 - 19:45 h
	0.15 m. waves	0.15 m. waves
	Wind force 02	Wind force 02
	No tide flow	No tide flow
	Weather: Fine	Weather: Overcast
DRAUGHT	INITIAL	FINAL
Forward port	5.0800 m	12.8900 m
Forward starboard	4.9700 m	12.8900 m
Forward mean	5.0250 m	12.8900 m
Stem correction	-0.0723 m	0.0003 m
Draught forward (corrected to fore perpendicular)	4.9527 m	12.8903 m
Midship port	6.1500 m	12.9900 m
Midship starboard	5.9500 m	12.9600 m
Midship mean	6.0500 m	12.9750 m
Midship correction	-0.0043 m	0.0000 m
Draught midship (corrected to midship perpendicular)	6.0457 m	12.9750 m
Aft port	7.2900 m	12.8900 m
Aft starboard	7.3000 m	12.8700 m
Aft mean	7.2950 m	12.8800 m
Stern correction	0.0170 m	-0.0006 m
Draught after (corrected to after perpendicular)	7.3120 m	12.8794 m
Kell correction	0.0000 m	0.0000 m
Waterplane coefficient correction for hull deflexion	0.0093 m	-0.0139 m
Means of means corrected for deflexion:	6.0767 m	12.9385 m
True trim	BY STERN 2.36 m	BY HEAD -0.01 m
Heel (angle & in cm)	P 0.36 ° 20.00 cm	P 0.05 ° 3.00 cm
Hull deflexion:	HOGGING 8.67 cm	SAGGING 9.01 cm

DISPLACEMENTS	INITIAL	FINAL
Displacement in salt water	31,574.7 t	72,533.6 t
First trim correction	-400.0 t	-1.3 t
Second trim correction	52.9 t	0.0 t
Displacement corrected for trim	31,227.7 t	72,532.3 t
Water density	1.01750	1.01700
Displacement corrected for density	30,999.2 t	71,966.2 t
Deductibles (fresh water, oils, etc.)	18,546.9 t	1,523.0 t
Displacement corrected for deductibles	12,452.3 t	70,443.2 t
Light Ship	11,682.0 t	
Calculated constant	770.3 t	
Anchor + chain	0.0 t	0.0 t
Total cargo loaded on board as per draught survey		57990.9 t

Loading terminals: CG, CT, RO, .	TPC	56.1 t/cm	TPC	62.1 t/cm
Cargo: Maize in bulk	MTC +0.5	727.7 t/cm	MTC +0.5	953.4 t/cm
Paranaguá, Br - Brazil. November 29th, 2025	MTC -0.5	690.9 t/cm	MTC -0.5	951.1 t/cm

Total cargo loaded on board as per shore scales	57,899.940 t
Total cargo loaded on board as per draught survey	57,990.928 t
Surplus	90.988 t 0.16 %

Remarks: 1) Due to huge hull deflexion in hogging on initial draft survey and sagging on final draft survey, it was applied the waterplane area coefficient correction for the deflexion formula as per UN/ECE/Energy/19/1992. 2) According to the Master/Chief Officer usual constant would amount to 700 t.

Standard Brazil Marine Surveys &amp; Services Ltda.

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Licensed Marine Officer / Marine Surveyor / 375460MM

Master/Ch. Off: 57,900.000 t 0.060 t 0.00 %  
Consignees: 58,029.881 t 129.941 t 0.22 %

Master/Ch. Off.

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