



Technical Bulletin

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Bulk cargo monitoring

Comparisons between observed and pre-calculated drafts will give an early indication of any possible de-ballasting or ballasting problems or discrepancies in the loading plan

The loading and discharging of bulk cargoes requires constant vigilance if stress limits are to be kept within tolerance levels.

It is important that at the end of each pour or run the observed draft is entered on the load/discharge form and compared to the calculated draft (*below*).

The majority of ships have dedicated load and discharge forms, where the stress levels and pre-calculated drafts are entered on the form. Most of these forms also have a column for visual or observed drafts.

If there are any large variations between the observed draft and the pre-calculated draft, this should give reason for concern, as stress levels SF & BM might be higher than those pre-calculated.

MAIZE		MAIZE		MAIZE		MAIZE		MAIZE TOTAL: 63500 MT		
10450.030 MT		10678.515 MT		6238.00 MT						
Calculated Values				Calculated Values				Observed Values		
Draft		Mid Dft	TRIM	Air Draft		Maximum		Draft		
F	A			BEFORE	AFTER	SF%	BM%	F	A	Md
9.21	11.16	10.23	1.95			-52.00	22			
9.52	11.03	10.32	1.51	12.54	11.99	-53.0	25.0	9.46	11.06	10.24
9.40	11.69	10.60	2.28	11.62	11.20	-51.0	23.0	9.32	11.78	10.62
10.38	12.31	11.39	1.93	11.75	10.93	37.0	-30.0	10.28	12.24	
11.12	12.01	11.59	0.89	13.43	12.79	-30.0	-23.0	11.08	12.02	11.52
12.11	12.56	12.35	0.45	10.67	9.88	-41.0	-39.0			
12.47	12.42	12.45	-0.05	11.85	11.53	-39.0	-35.0			
12.42	12.62	12.53	0.20	9.76	9.64	-36.0	-35.0			
12.67	12.54	12.60	-0.13	11.56	11.34	-34.0	-32.0			
12.64	12.73	12.69	0.09	9.62	9.52	-32.0	-33.0			



