

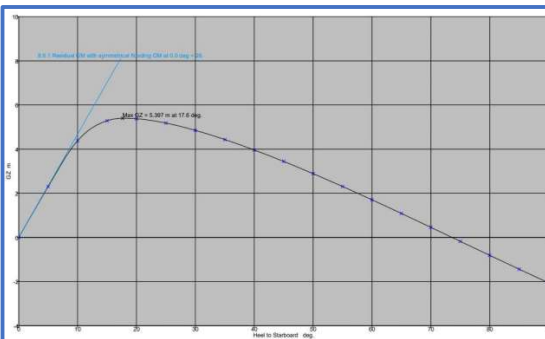
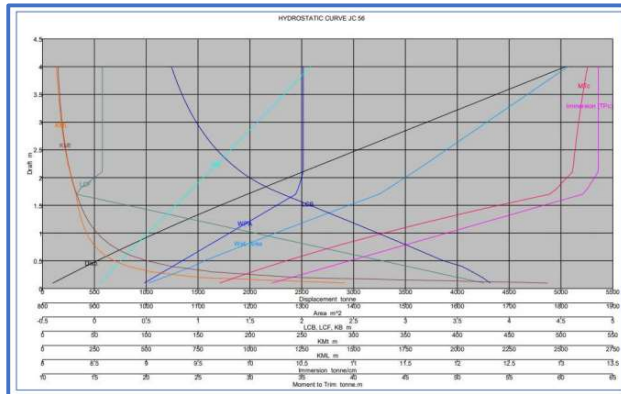
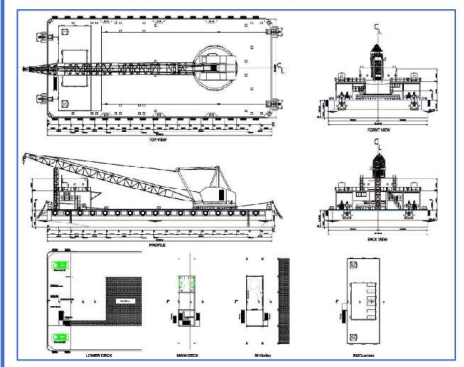
9th December 2023

MARINE NEWS NO. 2 – Transportation and Installation of Marine Loading Arms

Four sets of Marine Loading Arms (MLA) were transported on land from a storage yard in Sriracha to Siam Kerry Sea Port (KSSP) for further shipment by a large barge to Thai Oil Jetty for installation. The maximum weight of each MLA is 33 metric ton, and the overall length is about 29 m. To satisfy the project requirement as well as the formal guarantee condition, work method statement, various technical calculations and related tug boats and barges inspection had to be approved by Marine Warrantee Surveyor (MWS). Navis assigned the Chief Naval Architect to participate in the project during Sep – Nov 23. The output included crane barges stability calculations, bollard pull estimate for tug boats, mooring load calculation at various conditions. The task for lifting the MLA's and installation on the Thai Oil Jetty No.7 & No.8 were done as per project requirements

BARGE CHARACTERISTICS

LOA / BEAM / DEPTH / DRAFT = 54.30m / 24.00m / 4.18m / 1.80M



MAIN INTACT STABILITY CALCULATIONS

Code	Criteria	Value	Units	Actual	Status
1	Floodable Margin line immersion	0.000	m		Not Analysed
2	Floodable Deck edge immersion	0.000	m		Not Analysed
3	Floodable Maximum trim	10.0	deg		Not Analysed
4	Floodable Minimum GMt	0.200	m		Not Analysed
5	SOLAS, II-1 8.2.3.1: Range of residual positive st	15.0	deg	73.6	Pass
6	SOLAS, II-1 8.2.3.2: Area under residual GZ curve	0.869	m.deg	84.986	Pass
7	SOLAS, II-1 8.2.3.3: Maximum residual GZ	0.100	m	5.397	Pass
8	SOLAS, II-1 8.6.1 Residual GM with symmetrical	0.050	m	26.821	Pass
9	SOLAS, II-1 8.6.2: Heel angle at equilibrium for a	7.0	deg		Not Analysed
10	SOLAS, II-1 8.6.3: Margin line immersion	0.000	m		Not Analysed



PICTURES OF ACTIVITIES