



OFFSHORE TECHNOLOGY SOLUTIONS LTD.



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PTM 506 BARGE

CRANE BARGE

OTSL - 150ft. barge hosts a 300T P&H Crane with optional 140ft. boom length. It's AH 4 drum anchor winches uses 4 sets of anchor wires at 2000 ft. each.

The PTM 506 has a clear deck space of 3500 square feet with a maximum deck load of 500PSI.

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VESSEL SPECIFICATIONS.

MAIN PARTICULARS

LENGTH OVERALL.....	150 FT.	45.7 M.
BEAM.....	54 FT.	16.4 M.
DEPTH.....	9 FT.	2.7 M.
LIGHT DRAFT.....	5 FT.	1.5 M.
MAXIMUM DRAFT.....	6 FT.	1.8 M.

CAPACITIES

FRESH WATER.....	10,000 USG	177.9 M ³
FUEL OIL.....	5,000 USG	79.1 M ³
SEWER TANK.....	YES	

CONSTRUCTION

STEEL PLATING.....	3/8 IN. STEEL
SPUDS X2.....	3' X 3' X 60'
BALLAST COMPARTMENTS.	16
MAXIMUM DECK LOADING.	500 PSI
CLEAR DECK CARGO AREA..	3,500 SQ/FT

MACHINERY

CRANE.....	300T P&H 3500R
BOOM LENGTH.....	140 FT. /OPTIONAL
DYNAMIC RATING.....	120 ST @ 35 FT.
ANCHOR WINCH.....	AMERICAN HOIST 4 DRUM
ANCHOR WIRES.....	4X 1-1/4 IN @ 2000 FT. EACH
GENERATORS.....	2X 85 KVA 110/220V 60 HZ
GENERATORS.....	1X 100 KVA 110/220V 60 HZ
FIRE PUMP.....	500 GPM @ 100PSI
LIFE RAFTS.....	2 X 25 PERSONS

ACCOMMODATIONS

BERTHS.....	23
GALLEY.....	YES
SEATING CAPACITY.....	16 PERSONS
A/C.....	YES
SHOWER / HEAD.....	5
HOT / COLD WATER.....	YES
WASHER / DRYER	YES

ELECTRONICS & CONTROLS

VHF.....	3
EPIRB.....	YES
INTERNET / E-MAIL.....	YES
DECK LIGHTING.....	YES

DOCUMENTATION

CLASS.....	NO
LOAD LINE.....	YES
MINIMUM CREW.....	10
SAFETY COMPLIANCE.....	CCSS
IMO #	TT3027
FLAG.....	TRINIDAD & TOBAGO
BUILDER.....	MABRO MARINE INC.
YEAR REBUILT.....	2002

TONNAGE

GRT.....	527
NRT.....	158

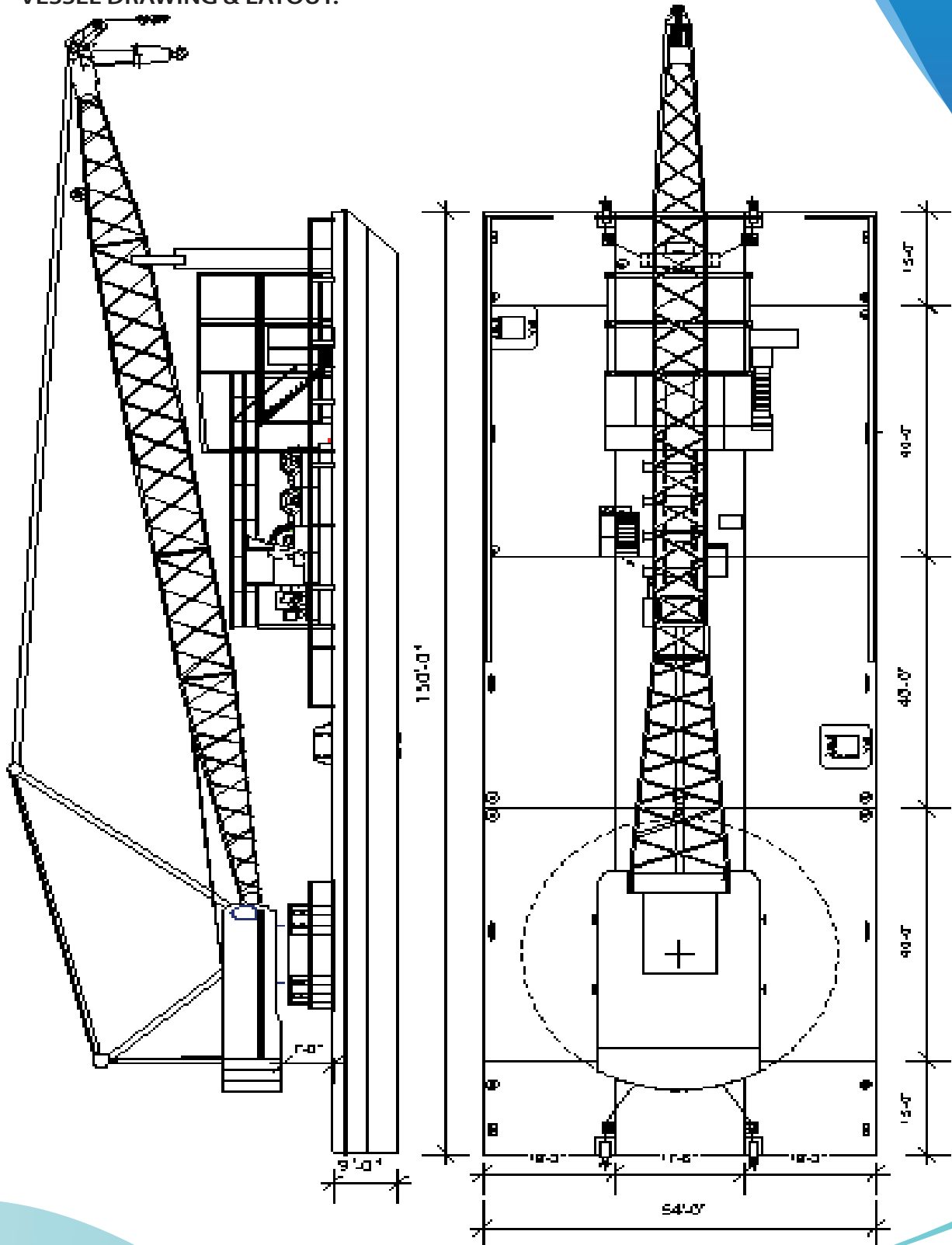


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VESSEL DRAWING & LAYOUT.





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VESSEL INSPECTION CERTIFICATE.



IN-CORR-TECH LIMITED

INSPECTION AND QA/QC ENGINEERS.

Rodriguez Ave. 15-17 Cipero Rd, Cross Crossing, San Fernando, Trinidad W.I. Tel: 652-4NDT (4638), 652-7675 Telefax: 657-5763

E-mail Address: ictltd@stt.net.tt

LOAD CHART - P & H MODEL 5300R BARGE MOUNTED CRANE ABOARD CRANE BARGE PTM 506 WITH 140' BOOM

P & H MODEL 5300R BARGE MOUNTED LAND CRANE
BARGE : OFFSHORE TECHNOLOGY SOLUTIONS LTD.

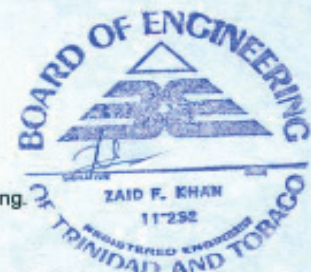
ICT'S JOB #C331008

BOOM LENGTH	RADIUS (FT)	BOOM ANGLE (DEG)	BOOM POINT ELEV. (FT)	MAIN SAFE LOAD (See note 5)	AUX LOAD (See note 5)
140'	35	78	147.7	245313	25,000
	40	76	146.2	200883	
	45	73	144.8	168978	
	50	71	143.2	144973	
	60	67	139.4	110957	
	70	62	134.6	90050	
	80	58	128.8	74539	
	90	53	121.8	63029	
	100	47	113.4	54014	
	110	41	103.1	47004	
	120	35	90.2	41292	
	130	27	73.2	36565	
	140	15	47	32206	

SN #S.O. 0870800

NOTES:

1. Crawlers fully extended and adequately strapped for 360° operation
2. Deck to be suitably reinforced and inspected to facilitate crane reaction loads.
Deck bearing load to be at least 15 psig.
3. Ensure counterweight of 127,200 lbs is used CW Nos. 1, 2 and 3.
4. Allow for deduction when jib is fitted.
5. Deduct weight of hook block, slings and other load handling accessories from load rating.
6. Maximum wind speed for operation is 30 mph.
7. Work area 360°.
8. Ensure adequate reeving to match lift capacity with wire rope 1 1/4" diameter EIPS 6 x 26 IWRC with single line pull of 20,000 lbs max.
9. Maximum trim - 5°. Maximum list 5°. Ballast as required.
10. Freeboard to be 3' minimum.
11. Dynamic loading based on constant Cb of 1.33. Wave height 7' with seven (7) sec period.
12. Crane and barge to be inspected and certified annually.
13. Barge to be adequately compartmentalized as required by ANSI B30.8.



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