

NORTHSEA ALPHA



Date delivered:	May 28, 2010
Builder (where built):	YANGZHOU KEJIN SHIPYARD / CHINA
Flag:	MALTA
Port of Registry:	VALLETTA
Call sign:	9HA2595

IMO number:	9547764	Type of vessel:	Oil/Chemical Tanker
Vessel's previous name(s):	PYXIS ALPHA	Type of hull:	Double Hull

Classification:

Classification society:	NKK	Class notation: NC(TOB/CT II & III)(ESP)(IWS)/MNS	Tanker, Oil-Flashpoint on and below 60 °C and Chemicals Type II & III (ESP) (IWS)
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Dimensions:

Length Over All (LOA):	110.0 m	Extr. breadth (Beam):	18.6 m
Length Between Perpendiculars (LBP):	105.2 m	Moulded depth:	10.011 m
		Keel to Masth. (KTM):	48.613 m
Bow to Center Manifold (BCM) / Stern to Center Manifold (SCM):		35.75 m	56.5 m
Distance bridge front to center of manifold:			38.3 m
Parallel body distances:	Lightship	Normal Ballast	Summer Dwt
Forward to mid-point manifold:	15.3 m	19.4 m	20.8 m
Aft to mid-point manifold:	17.8 m	20.6 m	21.8 m
Parallel body length:	33.1 m	40.0 m	42.6 m
FWA at summer draft / TPC immersion at summer draft:		167 mm	17.65 MT
Max height of mast above waterline (air draft):		Lightship:	29.03 m
Normal ballast:	26.69 m	At loaded summer deadweight:	23.7 m

Tonnages:

Net Tonnage:	2847	Panama Canal Net Tonnage (PCNT):	4475
Gross Tonnage / Reduced Gross Tonnage:		5256	-
Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):		5702.91	4866.85

Loadline Information:

Loadline:	Freeboard	Displacement	Draft	Dead-weight
Summer:	2.211 m	11751 MT	7.80 m	8615 MT
Winter:	2.374 m	11449.70 MT	7.626 m	8313.30 MT
Tropical:	2.048 m	1013.40 MT	7.952 m	8876.90 MT
Lightship:	7.53 m	3136.50 MT	2.470 m	-
Normal Ballast Condition:	4.81 m	7406.10 MT	5.190 m	4,269.60 MT
Multiple SDWT / Maximum assigned deadweight:			8876.90 MT	
ICS Helicopter Guidelines:			N/A	
Cargo & Ballast Handling:				
Double Hull Vessels: YES	Centerline bulkhead in all cargo tanks:		Yes / Solid	
Cargo Tank Capacities:				
Capacity (98%) of each natural segregation with double valve:		<u>Seg#1: 4138.096 m3 (1P, 1S,3P,3S, SLOPP,SLOPS)</u> <u>Seg#2: 3765.696 m3 (2P, 2S,4P,4S)</u> <u>Seg#3: 1960.349 m3 (5P, 5S)</u>		
Total cubic capacity (98%, excluding slop tanks):			9521.817 m3	
Slop tank(s) capacity (98%):			342.324 m3	
Residual/Retention oil tank(s) capacity (98%):			N/A	
Does vessel have Segregated (SBT) or Clean Ballast Tanks (CBT):			SBT	
SBT Vessels:				
Total capacity of SBT:	3494.1 m3	Percent. of SDWT that vessel can maintain with SBT only:		41.6 %
MARPOL Annex I Reg 18.2: (previously Reg 13.2)				Yes
Cargo Handling:				
How many grades/products can vessel load/discharge with double valve segregation:				3
Maximum loading rate for homogenous cargo per manifold connection:				1000 m3/hr
Maximum loading rate for homogenous cargo loaded simultaneously through all manifolds:				2000 m3/hr
Pumping Systems:				
Pumps:	No.	Type:	Capacity:	
Cargo:	3	HORIZ.SCREW	550 M3/HR	
Stripping:	1	RECIPROCATING	50 m3/hr	
Eductors:	1	-	5 m3/hr	
Ballast:	2	Centrifugal	150 m3/hr	
No of Cargo pumps that can be run simultaneously at full capacity:			2	
Vapor Emission Control & Cargo Heating:				
Material of heating coils	Stainless Steel	Type of cargo heating system:		Steam Heat. Coils
Tank Coating:				
Cargo tanks:	Yes (Phenolic Epoxy)	Whole Tank		
Ballast tanks:	Yes (Phenolic Epoxy)	Whole Tank		
Slop tanks:	Yes (Phenolic Epoxy)	Whole Tank		
Inert Gas & Crude Oil Washing:				

Inert Gas System (IGS):	Yes	Crude Oil Washing (COW):	N/A
Lifting Equipment:		Cargo Handling Crane	1 x 5 Tonnes
Ship To Ship Transfer (STS):		Yes (OCIMF/ICS Ship To Ship Transfer Guide)	
Engine Room:			
Main Engine:		MAN B&W 8L 27/38	
Main Engine MCR:		2720 KW @ 800 RPM	
Main Engine NCR:			
Auxiliary Engine:		Cummins KTA19-D(M) 3 x 361 KW	