


DOCUMENTS
SECTION 00.- INTEGRATED MANAGEMENT SYSTEM PRESENTATION

Code: Doc.00.1

Annex 1

M/T HESPERIDES TECHNICAL SPECIFICATIONS




DISTRIBUIDORA MARITIMA PETROGAS, SLU
 C/ Fomento, 7 – 2ª planta – oficina 6
 38003 - Santa Cruz de Tenerife

VESSEL'S TECHNICAL SPECIFICATION

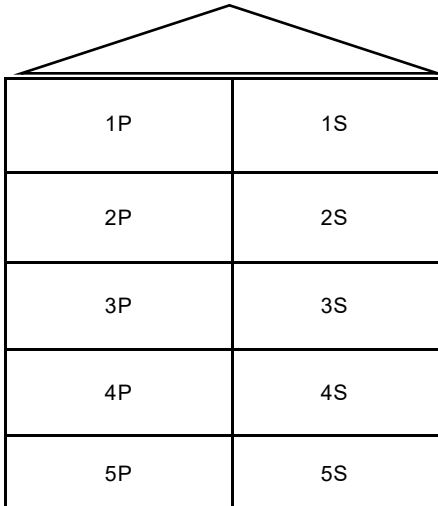
Vessel: HESPERIDES IMO Nr.: 9508079
 I Hull Mach
 Oil tanker ESP Chemical tanker ESP.
 Unrestricted navigation

Class notation: COMF-VIB 1, AVM-APS, AUT-UMS, MON-SHAFT, CLEANSHIP, INWATERSURVEY, VCS, IG
 MACH
 2 Main anchors, chain diameter 44 mm, steel quality Q3 (Very high tensile strength steel)



Length overall	109.00 m
Length between perp.	101.3 m
Moulded breath	16.8 m
Depth	8.30 m
Draft	6.65 m
Gross Ton	4263 ton
Net Ton	1988 ton
Summer Deadweight	6416 ton
Displacement	8947.60 Metric ton
Maximum Speed	12 kn
Date of building	Jun 08, 2009

Optimal Speed	F.O. Consumption	Main Engine	Aux's Generator.
12.00 Kn (Load)	12.4 T/d MA	Diesel 2665 kW (3621 HP) 1 MaK 8 M 25C 4T, 8 cyl, 750 rpm	3 Diesel (1170Kw/1590HP)
9.50 (Ballast)	7.4 T/d MA		



Cargo TANKS (96%)	
1P	484,812
1S	481,861
2P	741,873
2S	741,101
3P	752,329
3S	750,782
4P	751,954
4S	749,931
5P	706,374
5S	707,687
Deck P	77,585
Deck S	77,466
Total	6865,70
Couting	MARINE LINE

Revisión nº: 000 Revisado y aprobado por: Director
 Revision Nr: Revised and approved by:

Fecha: 03.04.24
 Date:

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Segregations	10	Cleaning Tks	Yes 60,00M3/h
Loading Rate	345 M3/h	Ballast Tks.	10 x 2357.40 M3/h
Discharge Rate	250 M3/h	Ballast Pumps	2 x Centrifugal 250 M3/h
N2 system	N2 Generator 950 M3/h + 2 x Fan 1845 M3/h	FO Capacity	319.30 m3/H
Loading Pumps	MARFLEX MD PD-100 Deep well	MDO Capacity	66.80 M3/h
Capacity	10 x Centrifugal 200M3/h + 2 x Centrifugal 80M3/h	Propeller	Single Controllable Pitch Propeller
Heating System	JOWA JSCALO3002002	Rudder	1 x Flap Type, TR-2; BRW-1 0801/13 802-99
Heating Tks.	7Bar, 70 °C, 300L 2 x Tks (2065 Kcal) + Heating coils with sea water	Bow thruster	Yes, Schottel Zolner STT, 470 bhp
T/W Capacity	Yes		

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Ship's name:	HESPERIDES	
1. GENERAL		
Ship's type	PRODUCT TANKER	
Port of registry	Madeira	
Registry N°	2092	
IMO number	9508079	
Call sign	C.Q.2201	
Class Notation	BUREAU VERITAS – 13713H I & HULL & MACH Oil Tnker ESP Chemical tanker ESP Unrestricted navigation COMF-VIB1; AVM.APS; AUT-UMS; MON.SHAFT; CLEANSHIP; INWATERSURVEY; VCS; IG	
Lenght overall (m)		109
Length between perpendiculars (m)		102,80
Moulded Beam (m)		16.80
Depth (m)		8,30
Draft (m)		6,65
Gross tonnage (GT)		4263
Net tonnage (NT)		1988
Summer Deadwight (DWT)		6416
Displacement (T)		8947,60
Maximum speed (Kn)		
Building date		16.06.2008
P&I Club	The Britannia Steam Ship Insurance Association	
2. HULL		
CARGO SYSTEM		
Cargo Tank T1P.		494,70
Cargo Tank T1S.		491,00
Cargo Tank T2P.		757,00
Cargo Tank T2S.		756,20
Cargo Tank T3P.		767,70
Cargo Tank T3S.		766.10
Cargo Tank T4P.		767,30
Cargo Tank T4S.		765,20
Cargo Tank T5P.		720,80
Cargo Tank T5S.		722,10
Cargo Tank SLOP P.		79,10

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Cargo Tank SLOP S	79,20
Cargo tank capacity incl. Slop tks 98% (m3)	7023,76
Cargo tank capacity excl. Slop tks 98% (m3)	6868,71
Maximum cargo rate (m3/h)	690 (Manifold) 345 (each tank) 93 (each Slop)
Maximum inner tanks pressure (bar)	0,20
Maximum venting capacity (m3/h)	800
Discharging pumps capacity (m3/h)	10 x 200 Deep well 2 x 80 Deep well
BALLAST SYSTEM	
Ballast tanks capacity 100% (m3)	2353,43
MISCELLANEOUS TANKS	
F.O. tanks capacity (m3)	313,86
D.O. tanks capacity (m3)	56,85
Fresh water tanks capacity (m3)	
3. LOADING / UNLOADING EQUIPMENT	
Cargo pumps	10 x 200 (100 mcl; α= 1; visc. 1 cst) 2 x 80 (100 mcl; α 1; visc. 1 cst)
Ballast tanks	2 x 250 m3/h
Cargo tanks heating system	Heating coils
Vapour emission recovery system	YES
Inerting tanks system	YES Nitrogen Generator
Tank cleaning water heater	YES
Cargo tanks fan	YES 10.000 m3 .
Tank cleaning water heater	YES
Maximum cargo rate (m3/h)	690 (Manifold) 345 (each tank) 93 (each Slop)
Maximum unloading rate (m3/h)	800
Stem manifold	YES
Number of segregations	12
Manifold height above waterline	Ballast: 6,29 m.; SDWT: 3,82 m.
4. SHIP'S EQUIPMENT	
Propeller	Controllable pitch 4 blades
Rudder	Normal rudder
Bow thruster	1 x 350 KW
5. ENVIROMENTAL PROTECTION SYSTEM	
Double hull in cargo area (13G)	YES
Double hull in bunker tanks (12A)	YES
Shafting generator	AVK DSV 62 L2-4 RATED LOAD:1060 KVA RATED SPEED:1800 Rpm
Loading computer	¿Class Society approval? YES ¿Trim & Stability calculation? YES ¿Damage Stability Calculation? YES

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6. MAIN ENGINE AND GENERATORS	
Main Engine	MAK 8M25 C of 640 Kw of 8 cylinders at 750 rpm
Fuel Type	HFO 180 cSt 186 g/Kw h
Diesel Generators	(3) MAN D2876 LE 301 370 Kw x 1.800 rpm (MDO)
Diesel Generators alternator	(3) LEROY SOMER M47.2M7C 6/4 of 1800 RPM 370 KW 440V
Emergency Generator	MAN D2866LXE of 200kW 1800 RPM bore:128mm stroke:155mm
Emergency Generator Alternator	LEROY SOMER M 44.2M95C 6/4 of 1800 RPM 139 KW 440V
Shafting generator	AVK DSV 62 L2-4 RATED LOAD:1060 KVA RATED SPEED:1800 Rpm
Boilers	ALLWEILER Circulation Volume:653lt/h 0.4kW 1370RPM Electric Motor:SIEMENS TYPE:1LA70734AB11-Z
Economizer	YES
CONSUMPTION	
Loading / Unloading D.O.	1,1 Tm/day // 2,2 Tm/day
Navigation full load D.O.	10,08 Tm/day
Navigation in ballast D.O.	10,49 Tm/day
7. SAFETY AND NAVIGATIONAL EQUIPMENT CONTROL	
Navigational equipment inventory	<ul style="list-style-type: none"> (1) Navtex FURUNO (1) Course recorder TOCIMEC (1) Magnetic Compass TOKIMEC (1) Gyro Compass TOKIMEC (1) Autopilot YOKOGAWA (1) Echo sounder FURUNO (1) Doppler Speed FURUNO (1) VDR FURUNO (1) ECDIS TRANSAS (1) GPS FURUNO (1) Radar 9 cms FURUNO (1) Radar 3 cms FURUNO (1) Weather Fax FURUNO

Radio electrical equipment inventory	<ul style="list-style-type: none"> (2) VHF SAILOR (1) INMARSAT FURUNO (1) ETB FLEET JRC (1) MF/HF FURUNO (1) EPIRB JOTRON (1) AIS FURUNO (1) GMDSS CONSOLE (3) VHF Portable SAILOR (1) SART JOTRON
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