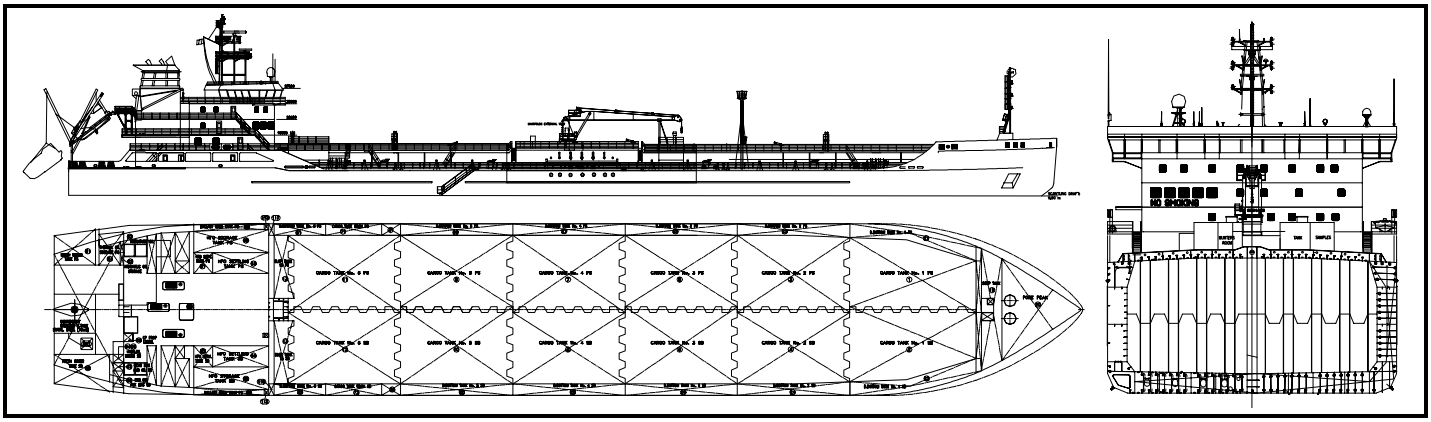
FACTORIAS VULCANO, S.A.

CHEMICAL & OIL TANKER VESSEL- FILING CARD

Nº IMO: 9384435			
Name: RN ARKHANGELSK	Owner / Broker: AB SEA LIMITED	Build. no. 508	Stud. no.
Cargo Capacity: 35360	Country/ Flag: CYPRUS	Call sign /MMSI: 5BJQ2 / 212097000	Filing Card — Date: 2009-01-29, Rev.: 8
REFERENCE: CBTO4508 TQM	Type: CHEMICAL / OIL TANKER IMO 2 & 3	Built date: 2008	Page: 1



Survey: DnV

Classec: 1A1 OIL AND CHEMICAL TANKER, ICE 1A SUPER, ESP, DAT(-30), NAUTICUS (NEWBUILDING), CCO, COAT 1, PLUS 1, LCS-DC, VCS2 a2, v2 f2, STR 0.1k, OPP-F, TMON, DEICE, CLEAN, NAUT-AW, E0

Ice: 1 A SUPER

MAIN PARTICULARS (m)		TONNAGES (Tons)		CAPACITIES 100% (m3)		OUTPUT / SPEED / RANGE	
Length Overall	176,10	GT (IMO 69)	19986	Cargo Tanks	34669	Output (KW)	10.500
Length B. Perp.	169,93	NT (IMO 69)	9194	Slop Tanks	691	% MCR - % Sea	100% / -
Breadth mould.	29,80	DWT (d. Design)	27433	Heavy Fuel	1282	Speed trial (KN) / Draft	16,03 / 9,2
Depth mould.	14,00	DWT (d. Sct.)	30720	Diesel Oil	195	% MCR - % Sea	
Design draught	9,20	Displacement (9,9)	40043	Lub Oil	120	Speed serv. (KN) / Draft	
Scantling draught	9,90	Lightweight	9323	Fresh Water	261	Range (nm)	8000 / 28 days
Crew- Passage	n.a.	TPC/I (9,90)	47,5	Ballast Water	15133	Consumption t/day (F/D)	F.O. (85%)

CARGO TANK CAPACITIES (100%)	Units	IMO	Cap.m3	Pres.bar	Gra.T/m3
Total (includ. Slop	14	2-3	35360	0,25	1,53
In Centre	n.a.	n.a.	n.a.	n.a.	n.a.
In Wing	14	2-3	35360	0,25	1,53
On deck	n.a.	n.a.	n.a.	n.a.	n.a.

SEGREGATIONS	
No. segregations	6+1
Cap.m3 Epoxy	
Cap.m3 Zinc	
Cap.m3 Poly	
Cap.m3 S/Steel	

CARGO HANDLING	Hydraulic:		Electric:	
Pumps				
Total			12	500 m3/h
Slops			2	200 m3/h
D.Weel				
Ballast				
Drain				

SAFETY AND OTHER DETAILS	Units		m3/h		Pres.bar
Foam generators	1				
Tank washing machine		29	16,0	at	8
Tank washing pump		2	100	at	11

CARGO LIST	
1.-	crude oil & IMO 2 & 3
2.-	0
3.-	0
4.-	0

Heating system / Temperature ºC	THERM. OIL /
Midhships hose handling crane	100 kN - m.
Forward hose handling crane	
Provision Crane	3 t - 4 m.

MACHINERY AND AUX. ENGINES		
Engine (Desing / Type)	MAN B&W	9L48/60
Output (KW) / r.p.m.	10800	500
Gear Box (Desing / Type)	FLENDER / NAVILUX GUCK 1180	
Reduction / Par	500:110,5	17,54:1
Propeller (Desing / Type)	RR Kamewa Ulstein	164XF5/4 D-S
Blades Ø / r.p.m.	6,100 mm	110 r.p.m
Bowthruster dia. /r.p.m/ Kw	2000 mm	1000kW/1480 rpm
Aux.Dies.Eng.(Desing.-KW./Typ)	3xMAN B&W 6L21/31	1290kW/1000rpm
Alternator (Desing.-KW/rpm)	AVK	1225kW/1000rpm
Shaft Alter. (Desing.-KW/rpm)	AVK	1250kW/1000rpm
Harbour/Emer.(Desing.-KW./Typ)	MAN B&W	375kW/1500rpm
Alternator (Desing.-KW/rpm)	Newage HMC 534 E2	375kW/1500rpm
Exhaust Boiler (Desing/KW	Vulcano Sadeca	1450kW
Thermal oil heater (Desing/KW)	Vulcano Sadeca	2x5600kW

SPECIAL EQUIPMENT		ANOTHER EQUIPMENT	
Integrate Nav. Bridge		Iner Gas System	X
Bridge Control System	X	Steam Generator	X
Joystick		Manifold center	X
Radar Type Ullage	X	Manifold aft	
Central. Cargo Operation	X	PTO / PTI	X
Heavy Cargoes		Incinerator	X
Hazardous Cargoes	X	Sewage plant	X
Bowthruster	X		
Antiheeling System			

DOCUMENTACION		
Especificación	(Re/ Co -In/ Es)	C-I/E
Planos	(Dis/For/Mae/Hi)	D/F/M/H
Cálculos	(Cap/Est/Pot/Bal)	C/E/P/B