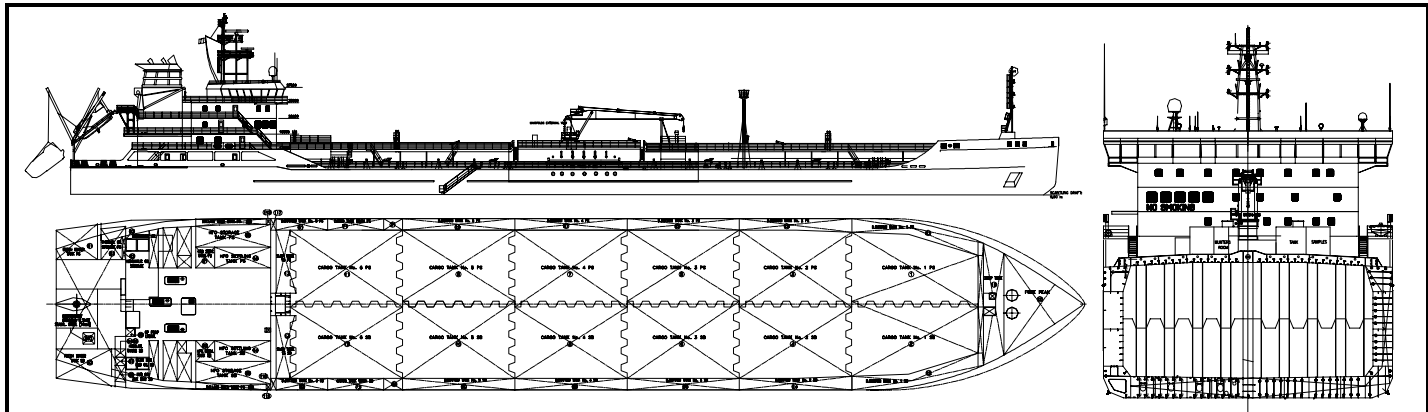
 FACTORIAS VULCANO, S.A.	CHEMICAL & OIL TANKER VESSEL- FILING CARD			Nº IMO:	9384447			
	Name:	RN MURMANSK	Owner / Broker:	AB SEA LIMITED	Build. no.	509	Stud. no.	
	Cargo Capacity:	35360	Country/ Flag:	CYPRUS	Call sign /MMSI:	/	Filing Card	Date: 2009-01-29 Rev.: 9
REFERENCE	Type:			Built date:	Page:			
CBTO4509 TQM	CHEMICAL / OIL TANKER			IMO 2 & 3	2008	1		



Survey:	DnV	Classed:	1A1 double hull oil and chemical tanker f 2, Ship Type 2 , ESP,DAT(-30), EO, NAUTICUS(B;NEW BUILDING), NAUT-AW, CCO, CSAL, COATI, PLUS 1, LCS-DC, ICS, VCS2, a2, V2, str0.1 k, OPP-F, TMON, DEICE, CLEAN	Ice:	1 A SUPER
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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	/
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%)						SEGREGATIONS		CARGO HANDLING			
	Units	IMO	Cap.m3	Pres.bar	Gra.T/m3	No. segregations	6+1	Pumps	Hydraulic:	Electric:	
Total (includ. Slop)	14	2-3	35360	0,25	1,53	Cap.m3 Epoxy		Total		12	500 m3/h
In Centre	n.a.	n.a.	n.a.	n.a.	n.a.	Cap.m3 Zinc		Slops		2	200 m3/h
In Wing	14	2-3	35360	0,25	1,53	Cap.m3 Poly		D.Weel			
On deck	n.a.	n.a.	n.a.	n.a.	n.a.	Cap.m3 S/Steel		Ballast			
								Drain			
SAFETY AND OTHER DETAILS						CARGO LIST					
	Units		m3/h		Pres.bar	1.-	crude oil & IMO 2 & 3	Heating system / Temperature °C			
Foam generators	1					2.-	0	THERM. OIL /			
Tank washing machine	29		16,0	at	8	3.-	0	Midships hose handling crane	100 kN	-	m.
Tank washing pump	2		100	at	11	4.-	0	Forward hose handling crane			
								Provision Crane	3 t	-	4 m.

MACHINERY AND AUX. ENGINES				SPECIAL EQUIPMENT		ANOTHER EQUIPMENT	
Engine (Desing / Type)	MAN B&W		9L48/60				
Output (KW) / r.p.m.	10800		500		Integrate Nav. Bridge		Iner Gas System <input checked="" type="checkbox"/>
Gear Box (Desing / Type)	FLENDER / NAVILUX GUCK 1180				Bridge Control System	<input checked="" type="checkbox"/>	Steam Generator <input checked="" type="checkbox"/>
Reduction / Par	500:110,5		17,54:1		Joystick		Manifold center <input checked="" type="checkbox"/>
Propeller (Desing / Type)	RR Kamewa Ulstein		164XF5/4 D-S		Radar Type Ullage	<input checked="" type="checkbox"/>	Manifold aft <input type="checkbox"/>
Blades Ø / r.p.m.	6,100 mm		110 r.p.m		Central. Cargo Operation	<input checked="" type="checkbox"/>	PTO / PTI <input checked="" type="checkbox"/>
Bowthruater dia. /r.p.m/ Kw	2000 mm		1000kW/1480 rpm		Heavy Cargoes		Incinerator <input checked="" type="checkbox"/>
Aux.Dies.Eng.(Desing.-KW./Typ)	3xMAN B&W 6L21/31		1290kW/1000rpm		Hazardous Cargoes	<input checked="" type="checkbox"/>	Sewage plant <input checked="" type="checkbox"/>
Alternator (Desing.-KW/rpm)	AVK		1225kW/1000rpm		Bowthruater	<input checked="" type="checkbox"/>	
					Antiheeling System		
					DOCUMENTACION		
Shaft Alter. (Desing.-KW/rpm)	AVK		1250kW/1000rpm		Specificación	(Re/ Co -In/ Es)	C-I/E
Harbour/Emer.(Desing.-KW./Typ)	MAN B&W		375kW/1500rpm		Planos	(Dis/For/Mae/Hi)	D/F/M/H
Alternator (Desing.-KW/rpm)	Newage HMC 534 E2		375kW/1500rpm		Cálculos	(Cap/Est/Pot/Bal)	C/E/P/B
Exhaust Boiler (Desing/KW)	Vulcano Sadeca		1450kW				
Thermal oil heater (Desing/KW)	Vulcano Sadeca		2x5600kW				
Fecha: 25 - 11 - 98					Formato: V - 059	Revisión: 0	