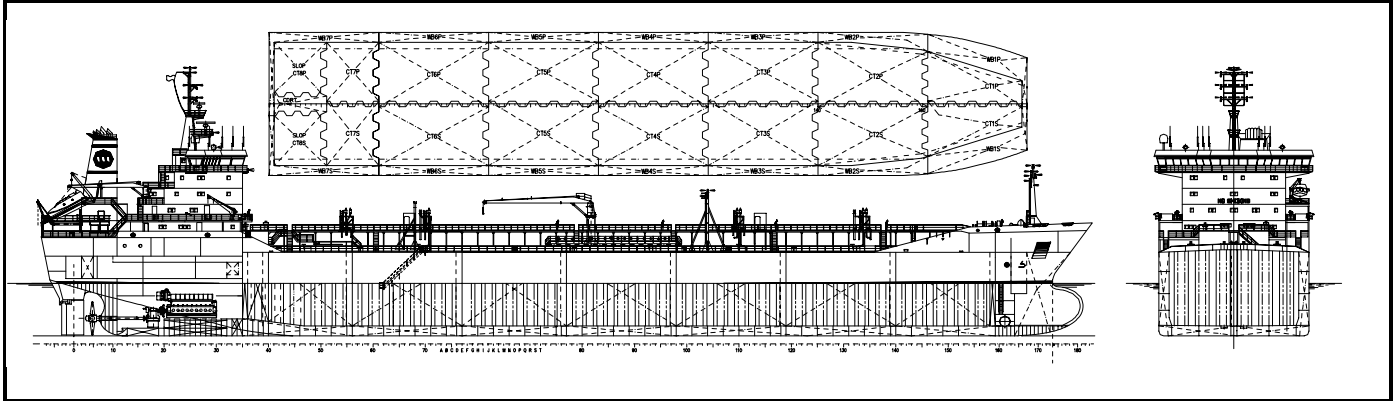
 FACTORIAS VULCANO, S.A.	CHEMICAL & OIL TANKER VESSEL- FILING CARD		N° IMO:	9298595
	Name:	Owner / Broker:	Build. no.	Stud. no.
	FILICUDI M	AUGUSTA DUE S.r.l.	480	
Cargo Capacity:	Country/ Flag:	Filing Card	Date: 19,04,04	Rev.: 12
25000 M3.	ITALY			
REFERENCE	Type:	Built date:	Page:	
CBTO480 TQM	CHEMICAL / OIL TANKER IMO 2	2004	1	



Survey:	RINA	Classed	C+Oil Chemical Tanker ESP,IMO II,AUT-UMS,SYS-NEQ-1,MANOVR,MON-SHAFT	ICE:	1B summer_draft=9,34
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MAIN PARTICULARS (m)		TONNAGES (Tons)		CAPACITIES (m3)		OUTPUT / SPEED / RANGE	
Length Overall	161,12	GT (IMO 69)	13500	Cargo Tanks	23506	Output (KW)	8100
Length B. Perp.	149,80	NT (IMO 69)	6650	Slop Tanks	1395	% MCR - % Sea	100/0
Breadth mould.	23,00	DWT (d. Sum.)	21600	Heavy Fuel	663	Speed trial (KN) // Draft	15,0 / 8,4
Depth mould.	13,40	DWT (d. Sct.)	21600	Diesel Oil	178	% MCR - % Sea	85/15/400 KW.
Summer draught	9,63	Displacement (9,63)	28352	Lub Oil	49	Speed serv. (KN) // Draft	
Scantling draught	9,63	Lightweight	6752	Fresh Water	478	Range (nm)	7000
Crew- Passage	19	TPC/I (9,63)	32,75	Ballast Water	9781	Consumption t/day (F/D)	30 F.O. (85%)

CARGO TANK CAPACITIES (98%)						SEGREGATIONS		CARGO HANDLING			
	Units	IMO	Cap.m3	Pres.bar	Gra.T/m3	No. segregations	7+1 (slop)	Pumps	Hydraulic:	Electric:	X
Total (+ Slop)	16	2	24901	0,2	1,54	Cap.m3 Epoxy	24901	Total	16	--	--
In Centre				-		Cap.m3 Zinc		D. Weel	14	300 m3/h	11 bar
In Wing	16			-		Cap.m3 Poly		Slop	2	80 m3/h	11 bar
On Deck	-			-		Cap.m3 S/Steel		Ballast	2	500 m3/h	3 bar
SAFETY AND OTHER DETAILS						CARGO LIST		Drain	1	75 m3/h	8 bar
Foam generators						1.-	IMO 2 & 3	Heating system / Temperature °C			
Tank washing	33			at	12	2.-	0	Center hose handling crane			
						3.-	0	Aft hose handling crane			
						4.-	0	Provision Crane			
								THERM. OIL / 80			
								10 t - 17 m.			
								2 t - 6,5 m.			
								3.5 t - 12 m.			

MACHINERY AND AUX. ENGINES				SPECIAL EQUIPMENT		ANOTHER EQUIPMENT		
Engine (Desing / Type)	MAK		9M43		Integrate Nav. Bridge		Iner Gas System	X
Output (KW) / r.p.m.	8100		500					Bridge Control System
Gear Box (Desing / Type)	RENK		HSUL-1200		Joystick		Manifold center	X
Reduction / Par	4,13:1				Radar Type Ullage	X	Manifold aft	X
Propeller (Desing / Type)	KAMEWA		132 X F5/4		Central. Cargo Operation	X	PTO / PTI	X
Blades Ø / r.p.m.	5400		121		Heavy Cargoes			
Bowthruster dia. // Kw	1650		800		Hazardous Cargoes	X		
Aux.Dies.Eng.(Desing.-KW./Typ)	(3) MAK	1020	6 M20		Bowthruster	X		
Alternator (Desing.-KW/rpm)	(3) AVK	900	900		Antiheeling System			
Aux.Dies.Eng.(Desing.-KW./Typ)					DOCUMENTACION			
Alternator (Desing.-KW/rpm)					Especificación	(Re/ Co -In/ Es)	C-I/E	
Shaft Alter. (Desing.-KW/rpm)	(1) AVK	1350	1200		Planos	(Dis/For/Mae/Hi)	D/F/M/H	
Harbour/Emer.(Desing.-KW./Typ)	(1) CATERPILLAR - 370		CAT 3408		Cálculos	(Cap/Est/Pot/Bal)	C/E/P/B	
Alternator (Desing.-KW/rpm)	(1) LEROY SOMMER - 370		1800					
Exhaust Boiler (Desing/KW)	(1) INTEC ETA 900-40		900					
Thermal oil heater (Desing/KW)	(2) INTEC ET3800/40-V		3800					
Fecha: 25 - 11 - 98					Formato: V - 059			Revisión: 0