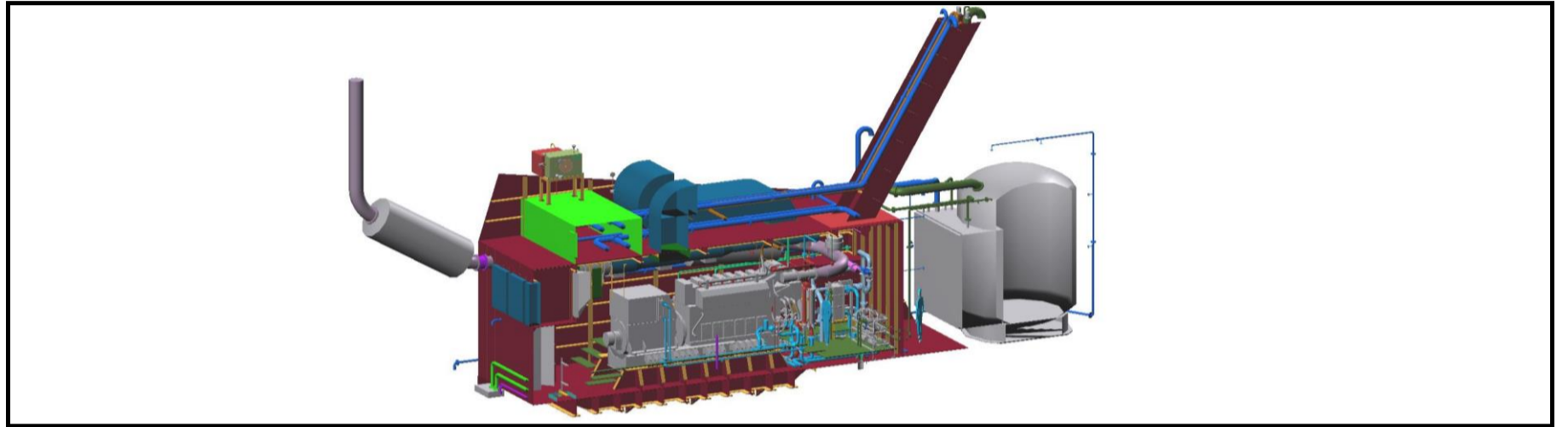
 <p>FACTORIAS VULCANO, S.A.</p>	RESEARCH VESSEL FILING CARD		IMO number: 9441130	
	Name: ABEL MATUTES	Owner / Broker: GAS NATURAL	Build. no. 13101	Stud. no.
	Cargo Capacity:	Country: SPAIN	Filing Card	Date 10-05-16 Rev. 0
	REFERENCE	Type: GAS RETROFIT (Harbour Genset)	Built date: 2016	Page: 1



Survey: BV	Classed:	Ice: -
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MAIN PARTICULARS (m)		TONNAGES (Tons)		CAPACITIES (m3)		OUTPUT / SPEED / RANGE	
Length Overall	24,00	GT (IMO 69)	-	Heavy Fuel	-	Output (KW)	-
Length B. Perp.	-	NT (IMO 69)	-	Diesel Oil	-	% MCR - % Sea	-
Breadth mould.	5,20	DWT (at 6,0 m)	-	Lub Oil	-	Speed trial (KN) // Draft (m)	-
Depth mould.	11,70			Lub Oil	-		-
Summer draught	-			Fresh Water	-		-
Scantling draught	-	TPC/I	-	Ballast Water	-	Range (nm)	-
Crew				LNG (98%)	29,45	Consumption t/day (MDO)	-

SPECIAL INSTALLATIONS	INSTRUMENT. EQUIPMENT	DECK MACHINERY & EQUIPMENT
<ul style="list-style-type: none"> ▪ CO2 system ▪ N2 system ▪ Starting and Service Air systems ▪ LNG cooling and vaporization systems ▪ Oily water system ▪ Lubricating Oil system ▪ Exhaust gases sytem ▪ Fresh air and firefighting systems ▪ Engine room construction, installation, insulation and painting ▪ Mounting onboard of Engine, LNG equip. outfitting and trials 		

MACHINERY AND AUX. ENGINES		SPECIAL EQUIPMENT	
Aux Engine (Desing / Type)	One Rolls Royce C26:33L6AG, LNG fueled	1	Cryonorm LNG Storage Tank, Ø 3700
Output (KVA) / r.p.m.	1.943 KVA (1620 kW MCR) @ 1.000 rpm	1	Cryonorm LNG Cold Box
Max. continuous rating	1.620 (MCR) kW	1	Cryonorm Glycol Expansion module
Specific energy consumption	7.550 kJ/kWh	1	Cryonorm Glycol Heater
Gear Box (Desing / Type)	-	1	Wilhelmsen CO2 system
Reduction ratio / PTO (Kw)	-	1	Wilhelmsen N2 system
Propeller (Desing / Type)	-	6	Sound attenuators (passive noise control system for ventilation to fulfill extremely low noise requirements)
Blades Ø (mm) / Speed (r.p.m.)	-	2	Zitron fans
Shaft Alter. (Desing / type)	-	1	Zitron NG extractor fan
Output (kVA / rpm / V / Hz)	-	2	Zitron Air locks impeller fans
Steering gear (Design / Torque)	-	2	Halton FDB2 ATEX Fire Dampers
Rudder (Design / Area / Angle)	-	1	Zitron TCS extractor fan
Bow thruster (Design / Ø / Kw)	-		
Azimuth thruster (Design / Ø / Kw)	-		
Aft thruster (Design / Ø / Kw)	-		
Emerg. Genset (Desing.-KW/ rpm)	-		
Harbour Genset (Desing.-KW/ rpm)	-		
Fecha: 01-01-06		Formato: V - 061	Revisión: 0