VICUSdt
DESARROLLOS TECNOLÓGICOS

DESIGN QUESTIONNAIRE
FIXED PITCH PROPELLER

OUR REFERENCE:		OUR PROJECT Nº:	

1. PROJECT DATA

Company / Shipyard		Type of ship	
Contact person		Number of ships	
Direct phone		Number of shaft lines per ship	
e-mail		Class. Society	
Expected delivery		Ice Class	

2. SHIP DIMENSIONS

Length between perpendiculars		LBP		Block coefficient	CB	
Length of waterline		LWL		Waterline coefficient	CW	
Beam		B		Midship or prismatic coefficient	CM / CPL	
Design draught amidships		T				
Wetted surface	[m2]	AWS				

* Ship dimensions in meters [m]

3. ENGINE DATA

Engine maker		MCR Brake power	[kW]	PB	
Model		MCR rpm		N	
Reduction gear ratio	i		or Optimal red. ratio to be defined		☐

4. PROPELLER DESIGN AND HYDRODYNAMICS

Ship speed		V		Max. Propeller diameter or required	D	
Required thrust		T		Propeller centre immersion	h	
Delivered power	[kW]	PD		Blade type (Conv / MS / High Skew)		
Taylor effective wake		w		Number of blades	Z	
Thrust deduction fraction		t		Blade material		
Relative rotative efficiency		RR		Tolerance Class		
				Propeller Couplings	☐	Keyway
					☐	Hydraulic
Towing tank or sea trial data available			☐		☐	Other

* Propeller dimensions in milimeters [mm]

7. REMARKS

PLEASE EMAIL TO VICUSDT: a.sarasquete (at) vicusdt.com

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