PROPELLER CALCULATION

Driveline Limited Pacific

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www.pacificdriveline.co.nz E-Mail: pacdrive@clear.net.nz PROPULSION VIABILITY SPECIFICATION SHEET Propeller Calculation with Existing Installation Name: Address: Address: Phone: Mobile Fax Fmail: Builder Designer: Owner PLEASE NOTE: By completing and returning this form, you agree to a \$150.00 incl GST service charge to be paid before "Propulsion Viability" study is supplied. This value will be deducted from the total invoice upon purchase of new equipment from Henley's or PDL **BOAT DATA** Power Mono Planing Cruising Yacht Type Power Mono Displacement Racing Yacht Sailing Catamaran Power Tri Hull Motor Sailor Power Catamaran Surface Drive Tunnel Hull Hull Form Round Chine Multi Chine Pleasure Craft Use Charter Ferry Towing Construction G.R.P Wood Aluminum Ferro Displacement (Tons) Light Ship Heavy Ship Sea Trial LOA Beam Deck Beam LWL(max) Multihull Beam LWL (max - one hull) Draft (Hull Section) Draft (Max) New Vesse Rebuild Repower Deadrise Amidships Deadrise Transom Distance from Centerline prop boss to LWL LCG Fwd of Transom Hull Resistance Data Designers/Present Estimated Max Speed knots @ displacement of Designers/Present Estimated Cruise Speed knots @ displacement of **ENGINE DATA** Quadruple Manufacturer Model Max Power/engine at Max RPM of Continuous Power at Max RPM of Gearbox Model Gearbox Reduction Inline V-Drive Integral Gearbox Type Drop Centre Down Angle V-Drive Island Mount V-Drive Quill EXISTING PROPELLER DATA Pitch No. of Blades Blade Area Diameter Material Shaft Angle Rotation P Bracket Strut/Shaft Bracket I Bracket Y Bracket Keel Exi Maximum Diameter can swing with 20% (of prop dia) Tip Clearance to Hull Blade Option Three Four **EXISTING SHAFT DATA** Shaft Dia 1:10: 1:12: 1:16 Material Taper Keyway Width Keyway Depth Approval Required Yes/No USL Lloyds Other

Caution

Speed Predictions and propeller pitch are approximate only and dependent on the efficiency of the hull design For more accurate speed estimates, please supply hull resistance data which can be superimposed over the propeller dynamic thrust curve. Information supplied is critical to propeller size and estimated performance / engine load