

TAKAHIWAI

Vessel Data Sheet

1. General Information				
Vessel Name Takahiwai	MSA Number 127 935	MSA Class Passenger and Non-Passenger	Official Number NA	Home Port Whangarei
LR Number 922 5213	LR Class Lloyds + 100 A1 - SSC Workboat monohull - G3 NZ Coastal Service			
Owner North Tugz Ltd	Builder Northport Engineering Ltd		Date of Build 2000	
Gross Tonnage NA	Register Tonnage NA	Register Length 22.35 m	Displacement Max 340 tonne	
Overall Length 22.45 m	Breadth (moulded) 9.1 m	Depth (moulded) 4.05 m	Operational Draft 3.9 m	
N°./Type of Engines 2 x Caterpillar 3516 EUI 2200 hp (1650 kW) @ 1870 rpm		Total Engine Power 4400 hp (3300 kW)	Propulsion 2 x Vickers Ulstein 1650 H thrusters. Props - 2.184 m dia. 4 Blades. Max 293 rpm	
External Fire Fighting Capability 2x Caterpillar 3406 344.5 kW at 1800 rpm Pumps - 2 x Thomsons, Kelly & Lewis 200 x 300 x 630 each 600 m ³ /hr @ 12 b Monitors - 2 x Counterfire Water Monitors one of which is Water/Foam Foam 3.18 tonne (3,000 L) Solberg RF3 - 3% - Stored ashore.			N°./Output of Generators 2 x Main engine driven 24 volt 175 amp	
Free Running Fuel Con 220 L/h @ 10 knots 390 L/h @ 12 knots	Total Crew 2	N° . Berths 2	N° . of Passengers 7	
Radios 2 x VHF	Call Sign ZMR 6821	N° . Liferafts 1 x 6 man		
N°./Capacity of Fresh Water F/peak FW Ballast Pt/Stb 8,520 L each F/Peak FW tank 7,178 L Total of 24,218 Litres		N°./Capacity of Fuel Tanks Fwd double bottom Pt/Stb 17,117 L each E/R double bottom Pt/Stb 10,382 L each Daily service tanks Pt/Stb 12,982 L each Total of 80,962 Litres		

2. Operating Criteria & Parameters	
Vessel Type & Use	Twin Azimuthing Propeller, Harbour Tug
Operating Limits	Northland, Auckland, Barrier Inshore Waters and all Enclosed Waters within those limits.
Normal Operating Area	Whangarei Harbour
Max LSA provided for	9 Persons
Max fwd winch pull	12 tonne at first layer – 20 m/min
Length and Minimum strength fwd tow line	Main line - 135m SSR 1200 12 strand 3 ⁵ / ₈ " dia rope - 138 tonne Grommet/Pennant - 15m Amsteel Blue 2" dia rope - 155 tonne
Maximum Bollard Pull	50 tonne
Maximum speed	12.0 knots

3. Minimum Crew Qualifications	
Master*	ILM
Deckhand	Engineer Class 5
* The Master may hold both	