

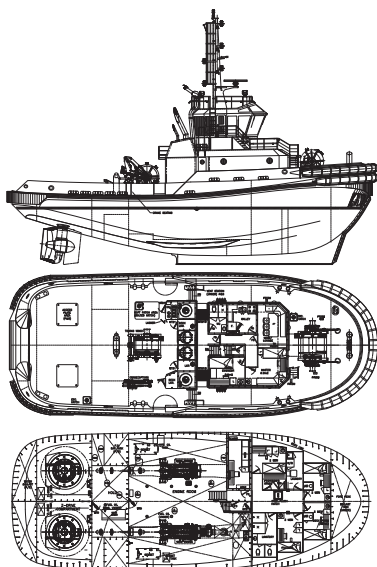
# 'HAWKSBILL' 'FLATBACK' AND 'LOGGERHEAD'

## TURTLE TRIO FOR AUSTRALIA'S NORTHWEST

Completed in August, Cheoy Lee yard numbers 5105 to 5107 made their way in convoy from the Pearl River delta in China, under the command of their delivery crews from IMS, to Cape Preston in North West Australia. The vessels entered into service in the busy iron ore mining port soon after arrival.

The vessels are named after the varieties of sea turtles that inhabit the waters of North West Australia, and are familiar sights to the crews that operate in the area.

The Ramparts 3200CL was developed by Robert Allan Ltd. specifically for Cheoy Lee in 2008. These three tugs were from a batch of four sisterships that Cheoy Lee was building on spec. Purchased in January 2016, the foreshortened delivery time enabled the buyer to receive the three tugs, with their own specified deck machinery and other features, within six months of ordering them.



The three tugs are fitted with twin Caterpillar 3516C diesels each delivering 2,000kW, coupled to Schottel SRP1515FP fixed pitch ASD units. Bollard pull exceeds 70 tonnes and the vessels have a free running speed of over 13 knots. All vessels in the series are built to Lloyd's class with the notation +100A1 Tug, Fire Fighting Ship 1, +LMC, UMS, IWS Unrestricted Service. The addition of Jepsen and Jessen deck machinery including the render recovery winch forward also qualified these three tugs for Escort Tug notation.

Electrical power is from two three-phase Perkins 1006TWGM generators each delivering 112kW.

The vessels are designed with accommodation for up to 10 crew. On the forward lower deck there are three two-man crew rooms with a laundry, washroom facilities and a provision store. Aft of the crew sleeping quarters, through a watertight bulkhead, can be found the control room overlooking the engine room. The master and chief engineer each have their cabins on the main deck level to starboard along with their heads, the galley and mess room to port. A single 2,740m<sup>3</sup>/hour fire pump, driven off the starboard main engine, supplies two FFS fire monitors mounted atop the wheelhouse. Seven thousand litres each of foam and dispersant are carried aboard and can be deployed as required.

The wheelhouse features the usual tall windows and eyebrow portals that are hallmarks of Robert Allan Ltd.-designed tugs. An extensive range of navigation equipment is fitted, primarily from Furuno and includes radar, autopilot, echo sounder, GPS, Inmarsat-C, SSB, VHF, Navtex, AIS and BNWAS.

'Hawksbill', 'Flatback' and 'Loggerhead'	
SPECIFICATIONS	
Type of vessel:	Escort tug
Classification:	LR +100A1 Escort Tug, +LMC, +UMS, *IWS, unrestricted service
Port of registry:	Singapore
Owner:	Loreto Maritime, Singapore
Designer:	Robert Allan Ltd., Canada
Builder:	Cheoy Lee Shipyards/Hin Lee (Zhuhai) Shipyard Co.
Construction material:	Steel
Length overall:	32 metres
Length waterline:	30.8 metres
Beam:	12.4 metres
Draught:	5 metres
Depth:	5.4 metres
Displacement:	553 tonnes (full load)
Tonnage:	447 GRT; 137NRT
Main engines:	2 x Caterpillar 3516C diesels, each 2,000kW
Propellers:	2 x Schottel SRP1515FP ASD units
Generators:	2 x Perkins diesels, each 112kW
Maximum speed:	13.5 knots
Bollard pull:	71 tonnes
Electronics supplied by:	Imtech Marine China
Radars:	Furuno FAR-2117
Depth sounders:	Furuno FCV-627
Radios:	Furuno FS-1575 and NBPP; 2 x Furuno 8900S VHF
Weatherfax:	Furuno NX-700B Navtex
Autopilot:	Anschuetz NP60
Compasses:	Koden KGC-1 (satellite), Saura 5 binnacle
GMDSS:	Furuno Felcom-18
GPS:	Furuno GP-32
A.I.S.:	Furuno FA-150
PA System:	SEA 857
Winches:	Jepsen & Jessen
Cranes:	Palfinger PK11001M foldable knuckle boom
Alarm systems:	Furuno BR-500
Paints/coatings:	International Paint
Liferafts:	2 x 10-man
Fuel capacity:	200,000 litres
Fuel consumption:	467 litres/hour (per engine)
Freshwater capacity:	50,000 litres
Range:	2,800nm (at full power)