

HMCC..... Sea Trials Report: Dated:

<u>Contract Reference:</u>	<u>SECTION L</u> <u>SEA TRIALS</u>	
<u>PART A: TRIALS PARTICULARS</u>		
<u>Persons present onboard</u>		
Name:	Role	Agency / Company
1.		
2.		
3.		
4.		
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16.		
17.		
18.		
19.		
20.		
		Total: POB

1.1	List passed to:	By:
1.2	Safety Briefing carried out by:	
1.3	Contractors Certificate of Seaworthiness: Received by:	

1.4	DRAFT MARKS	Before Trials	After Trials
	Draft Forward:		
	Draft Aft:		

1.5	TANK STATE	Before Trials		After Trials	
		litres	% full	litres	% full
	Fuel				
	Fresh Water				
	Black Water				
	Grey Water				

Dirty Oil		
Lub. Oil		

Operational function of emergency steering verified by:

ETD and Destination / ETA on completion of trials advised to:
..... a competent person / authority ashore.

1.8 Trials environment

Wind Direction:	
Wind Strength:	
Visibility:	
Air Temperature:	
SW Temperature:	
Sea State:	
Tide:	
Trials Area:	

Trials Event Log

[illegible]

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PART B: TRIALS OBSERVATIONS

Main Engine Speed & Manouvering Trials

2.1 Full power trial (state duration)

Commenced: Completed:

2.1.1 Work up to full engine power (1880 rpm) in stages agreed by the onboard Caterpillar Engine Service Engineer who will record main engine instrumentation readings as follows: -.

Engine rpm	Speed	PORT MAIN ENGINE					STARBOARD MAIN ENGINE				
		FUEL RATE LPH	Exh Temp LH/RH	Exh Temp	CPP %	Engine Load Factor	FUEL RATE LPH	Exh Temp LH/RH	Exh Temp	CPP %	Engine Load Factor
700											
750											
800											
850											
900											
1000											
1100											
1200											
1300											
1400											
1500											
1600											
1700											
1800											
1880											

2.2 Manoeuvring trials are normally to be carried out after full power trials as follows: -

2.2.1 Two 360 degree circles turning to Port at full speed.

Observations:

Speed drop from knots toknots

Diameter of circle (Estimated in cutter lengths)

Time to complete turn

Any other observations:

2.2.2 Two 360 degree circles turning to Starboard at full speed.

Observations:

Speed drop from knots toknots

Diameter of circle (Estimated in cutter lengths)

Time to complete turn

Any other observations:

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2.2.3	Two “figure of eight” turns at full speed. <u>Observations:</u>
2.2.4	Emergency Stop from ahead at 1500 RPM. <u>Observations:</u> Time taken Maximum astern rpm employed Any other observations: <i>Note: An Emergency stop from full ahead to full astern is not to be attempted, except in the case of a real emergency</i>
2.2.5	A run of approx 5 minutes duration at maximum maintainable RPM on the Port Main Engine only. <u>Observations:</u> Speed achieved: knots Maximum maintainable rpm: Any other observations:
2.2.6	A run of approx 5 minutes duration at maximum maintainable RPM on the Starboard Main Engine only. <u>Observations:</u> Speed achieved: knots Maximum maintainable rpm: Any other observations:
2.2.7	An astern run of 1 minute duration at 1200 RPM is to be carried out on both main engines. <u>Observations:</u> Speed achieved: knots Maximum maintainable rpm:(if less than 1200 rpm.) Any other observations:

Loiter (Waterjet) Trial

3.1 Both Main Engines are to be at idle with gearboxes in neutral, whilst the following trials are carried out on the waterjet: -

3.1.1	Waterjet only - full power for 15 minutes. <u>Observations:</u> Speed achieved: knots Maximum achieved rpm: Any other observations:
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3.1.2	180 degree turn to Port at full speed using full nozzle deflection. Observations: Speed drop from knots toknots Diameter of turn (Estimated in metres) Any other observations:
3.1.3	180 degree turn to Starboard at full speed using full nozzle deflection. Observations: Speed drop from knots toknots Diameter of turn (Estimated in metres) Any other observations:
3.1.4	Emergency stop on waterjet from maximum speed on waterjet. Observations: Speed at start knots Time to stops: seconds Distance to stop metres Any other observations:
3.1.5	Astern run of 1 minute at maximum achievable rpm. Observations:
3.1.6	One complete 360 turn on the spot clockwise. Time to complete turn
3.1.7	One complete 360 turn on the spot anti-clockwise. Time to complete turn
3.1.8	Combined waterjet & bowthruster side movement trial.

Bowthruster Trial

4.1 Carry out the following trials on the bowthruster: -

4.1.1	One complete 360 turn clockwise. Time to complete turn
4.1.2	One complete 360 turn anti-clockwise. Time to complete turn
4.1.3	Reversal of thrust from full clockwise to full anti-clockwise. Time to complete
4.1.4	Reversal of thrust from full anti-clockwise to full clockwise. Time to complete

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Anchoring Equipment Trial.

5.1 Details of anchoring trial and recovery including: -

Depth of water anchored in: metres

Veering function verified:

Brake function verified:

Shackles / metres of cable let go: shackles / metres

Time to recover cable until the anchor breaks the water.

Compass Swing

6.1 Details of Compass Swing to be recorded i.e., Which compasses swung /
Geographical Location of swing / swung by whom.

<u>Form Competed by:-</u>	<u>Form Witnessed by:</u>
Signed:	Signed:
.....
Name:	Name:
Position:	Position: Cutter Chief Engineer