

Report # RR060207

OUT/IN-WATER INSURANCE SURVEY

**This is to certify that the undersigned,
Did, at the request and on behalf of:**

Caribbean Sea Sports

Attend open fisherman

“REEF RUNNER”

on 28th July 2006 & 6th February 2007

**in order to conduct an out/in-water condition survey for insurance purposes.
At the times of surveys the v/l was hauled out/afloat at:**

Caribbean Sea Sports, Marriott Hotel, Curacao

PERSONNEL IN ATTENDANCE AT SURVEY

**Andrew Binder, Surveyor for CMS.
Tom Zeck, for Caribbean Sea Sports**

BRIEF DETAILS OF VESSEL

Name : REEF RUNNER

Prior names : Big Blue

Type : Open fisherman

Designer : Not known

Manufacturer : Mako Marine International, Forest City, NC, USA

Model : Mako 22

Built : 1981

Hull : Deep V

Rig : Open, centre-console

LOA : 6.70m

Beam : 2.40m

Draught : 0.40m

Displacement : c.1 MT

Hull ID (HIN) # : Not noted.

Flag/PoR : Curacao/Willemstad

Registration # : NC-1144

Call sign : PJ-2144

Aux. engine(s) : 2 x Yamaha 3 cylinder, 85 HP outboards (2003)

Documentation observed at survey

Curacao registration card.

Harbor safety inspection.

Operating permit.

Ship station license & equipment record.

<u>ITEM</u>	CONDITION/OPERATION					
	N/A	GOOD	FAIR	POOR	COMM.	RECS.
1.Hull		X			X	
2.Keel		X			X	
3.Hull fittings topsides		X			X	
4. Hull fittings underwater	X					
5. Sea cocks - test	X					
6. Hoses & clips		X			X	
7. Shaft seal	X					
8. Deck		X			X	
9. Deck fittings		X			X	
10.Anchoring arrangements		X			X	
11.Mooring arrangements		X			X	
12.Mast, Foot, Spars	X					
13.Standing rigging & terminals	X					
14.Running rigging & gear	X					
15.Winches	X					
16.Sails	X					
17.Engine & fittings		X			X	
18.Engine - test		X			X	
19.Gearbox - test		X			X	
20.Propeller		X			X	

<u>ITEM</u>	CONDITION/OPERATION					
	N/A	GOOD	FAIR	POOR	COMM.	RECS.
21.Rudder	X					
22.Steering		X			X	
23.Emergency steering	X					
24. Power generation		X			X	
25. Batteries		X			X	
26. Electrical distribution		X			X	
27. Bilge pumps		X			X	
28. Water systems	X					
29.Other domestic services	X					
30.Charts & nautical publications	X					
31.Navigation & sailing		X			X	
32.Autopilot	X					
33.Communications equipment		X			X	
34.Life saving appliances		X			X	
35.Fire fighting appliances		X			X	
36.LPG installation	X					
37.First aid & medical supplies		X			X	
38.Accommodation &equipment		X			X	
39. Dinghy	X					
40.Outboard motor	X					

COMMENTS

Description

This v/l is a purpose built centre console open sport fisherman of a well known genre.
Open foredeck with lockers for'd and to P&S.
Centre console with safety frame and awning over.
Open aft deck with side lockers & bait well.
Outboard motor well aft.

1. Hull.

The hull is constructed of GRP, properly laid-up, well-finished and of satisfactory strength, and is supported by partial GRP/marine ply bulkheads. 4 x longitudinals with occ'l transverses form the main internal strength. There are no ports let into the hull.

The boat has been the subject of an almost total rebuild in 2006, during which time the hull underwent complete refurbishment.

- Single chined hull, with raked & flared stem and cutaway transom stern.
- Externally, nice lines, virtually fair & effectively free of abnormalities. Blemish-free topsides - black, with gold logos, and blue lines at waterline.
- Antifouling in good order at initial out-of-water survey. No indication of marine growth noted at final survey.
- Internal surfaces well finished & clean.

2. Keel

In good order, with no apparent chips or fractures noted.

- No ballast.

3. Hull fittings topsides in good general condition and properly secured.

- Small teak boarding platform with 1-rung s/s ladder affixed at transom SB.
- S/s towing eyes affixed to stem + transom P&S.

6. Hoses/clips

- Sound hoses, recently renewed.
- Clips all in good order, doubled wherever possible and renewed as required.

8. Deck.

The deck was GRP sheathed marine ply with a molded non-slip finish on all Horizontal surfaces.

It was properly connected to the hull - bonded & mechanically fastened, and incorporating a rubber fender.

- Sound, fair & blemish-free.
- Very good non-slip molding
- Well coated.
- No leakages.

9. Deck fittings were in generally good condition and properly attached.

- Single s/s rail + stanchions around foredeck, all in good condition and solidly secured to the deck.
- 1 x s/s cleat at bow, and 2 at quarters.
- 2 x inset lighting units at inboard shoulders.
- 1 x fuel filler at PS shoulder.
- Conning console at mid-length, complete with smoked Perspex windscreen.
- New aluminum awning frame over console & aft deck - new Sumbrella-type awning material. Framing incorporates new hanging instrument locker above console, and provides in situ fore & aft deck lighting + 4 x rod holders.
- 3 x s/s outrigger sockets each side.
- Foredeck seating is provided over the for'd 'V' and in front of the centre console. 1 x aluminum-framed, double conning seat is provided at the conning position, and bench seating at the quarters.
- Inset speakers P&S f&a.

10. Anchoring arrangements were satisfactory and included:

- 1 x 10 lb galvanized Danforth anchor + 1m plastic-coated chain + sufficient 12mm 3-stranded nylon rode.

11. Mooring arrangements sufficient & in good order.

- Nylon lines (12mm, 3-stranded)
- Plentiful fendering arrangements - in good order, on v/l & berth.

17. Engines/tankage.

Engines were 2 x Yamaha, 3-cylinder 2-stroke outboards, model # 85AGT 688L serial #'s 446214 (PS) & 446215 (SB), each developing 85 HP, for a total of 170 HP.

- Engines very clean, with no leakages of any kind.
- All associated items in good condition.
- Engine instrumentation/control panel situated on centre console.
- 325 liter s/s fuel tankage provided.
- Primary & secondary filters for this installation provided.
- Engines properly secured & locked to the transom.
- Double Yamaha 704 morse type engine controls + tilt controls situated at conning position.

18. Engine test :

- Good, no untoward noises or exhaust emissions, and cooling in order.
- No leakages.

19. Gearbox test : Good.

20. Propellers

- Stainless Steel, 3-bladed, RH, in good order.

22. Steering

- S/S wheel mounted on console, with Sea Star hydraulic steering to motors.
- No leakages noted.

24. Power generation

- Engine-mounted alternators.

25. Batteries

- 2 x new batteries of appropriate CCA/Amp hrs. Stowed securely within steering console.
- Perko heavy duty battery switching arrangements supplied.

26. Electrical wiring

- Correct gauge, reasonably organized.
- Small, clean, accessible 12v switchboard at top console

27. Bilge pumping capability

- 2 x Rule 1500 gph bilge pumps with float switches - in good order (tested).
- 1 x high level alarm fitted (tested).

31. Navigation equipment comprised:

- Danforth Mini magnetic compass at console.
- Navigation/anchor lights (appropriate, in order).
- Horn, 12V.
- Hand held Garmin GPS

33. Communications equipment comprised:

- Standard Horizon Quest VHF + speaker + antenna.

34. Life saving appliances included :

- 8 adult (with reflecting tape, whistles & lights), and 2 x children's approved lifejackets.
- 2 x good lifebuoy with light (tested).
- Appropriate flare pack (in date).
- Flare gun + meteors.
- Signaling mirror.

35. Fire fighting appliances included :

- 1 x 5 lb Kidde dry powder portable extinguisher (in date).

37. First aid & medical equipment

- 1 x first aid kit (in good order) + booklet

38. Accommodation & equipment

- Clean, and in very good order.
- Pioneer CD stereo system.

***** END *****

RECOMMENDATIONS (#'s refer to item list)

We have no effective recommendations for the v/l, which has no noted defects and complies with all local safety regulations. However, we would suggest that :

- a) 1 x extra portable fire extinguisher be supplied, and
- b) 1 x extra means of communication be carried when underway (portable VHF or mobile phone).

Please note that these are purely suggestions for increased safety, and should not be considered as recommendations.

CONDITION

This is a sound, safe & exceptionally well-maintained custom open fisherman, which has benefited from a recent complete overhaul & upgrading. She also receives continuous running + planned maintenance from the Operator.

All crew involved with the operation of this v/l are not only knowledgeable with respect to the v/l, but have been trained to deal with any passenger-related emergency that is likely to occur. An effective safety management system was noted to be in force for this v/l (and all other craft operated by this Owner).

We consider the boat to be an excellent example of her marquee, and to represent a fair and reasonable insurance risk at the enclosed evaluation figure.

EVALUATION

1981 Mako 22 open fisherman, rebuilt 2006, c/w 2 x 2003 85 HP Yamaha outboard engines, in excellent condition, as is, free of all liens and encumbrances, in Curacao, February 2007 :

Market value = US\$ X

Replacement value in Curacao = c.US\$ X

This survey was conducted with reservations as to any concealed deficiencies at times of survey, and as to the accuracy of received information; and this report is issued without prejudice to our principal's liability at Willemstad, Curacao, on 21st February, 2007.

Curacao Marine Service N.V.
A.R. Binder, Surveyor

Enclosures (copies) : Registration card dated 130502.
: Harbour safety inspection dated 140806.
: Work permit dated 140806.
: Ship station license + equipment record dated 260606.
: Photographic record as follows :

- During rebuild, prior to our attendances.
- Out-of-water survey on 280706.
- In-water survey on 060207.