

Report # ER/01070607

OUT/IN WATER INSURANCE SURVEY

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

Caribbean Sea Sports

attend motor dive boat

“EXPLORADOR”

on 1st/7th June 2007

in order to conduct a condition survey for insurance purposes.

**At the times of surveys the v/l was hauled out at
Curacao Marine, Parera, Curacao
and afloat at Caribbean Sea Sports, Curacao**

PERSONNEL IN ATTENDANCE AT SURVEY

**Andrew Binder, Surveyor for CMS.
Tom Zeck, Owner CSS.**

BRIEF DETAILS OF VESSEL

Name : EXPLORADOR

Prior names : Not known

Type : Motor dive boat

Designer : Not known

Manufacturer : Custom Dive Boats

Model : Pro 42

Built : 1996

Rig : N/A

LOA : 42' 00"

Beam : 12' 06"

Draught : 02' 06"

Displacement : Not known.

Hull ID (HIN) # : CAK00021K596

Flag/PoR : Curacao/Willemstad

Aux. engine(s) : 2 x Caterpillar 6 cylinder 300 HP diesels combined with
2 x Kodiak Aqua Jet drive units.

Documentation observed at survey

None (but reportedly in good order - v/l cannot operate without correct documentation).

<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			X	
5. Sea cocks - test		X			X	
6. Hoses & clips		X			X	
7. Shaft seal		X			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					

<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			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 recreational dive boat of a well known genre.

The hull is divided into 5 compartments (anchor locker, fore cabin, tankage, engine room, jet drive compartment) by 4 semi-bulkheads.

Open foredeck, deck house over mid length with side benches & bottle stowage, open deck aft with similar benches & bottle stowage, with awning over.

Amidships ladder to flybridge with control/helming console, upholstered seating and folding bimini.

1. Hull.

The chined hull is constructed of GRP, properly laid-up, well-finished and of satisfactory strength, and is supported by 5 x partial marine ply bulkheads. 4 x main longitudinals support the engines & tankage, and stub frames are attached for transverse strength. There are no ports let into the hull.

- Externally, nice lines, virtually fair & effectively free of abnormalities. Blemish-free topsides - white, with logos.
- Antifouling applied just prior to survey.. Hull was water-washed after haulout and there were no indications of marine growth remaining in orifices.
- Internal surfaces well-finished and clean.

2. Keel

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

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

- GRP bowsprit with s/s stem fitting and bow roller for anchor.
- Engine exhaust exits P&S transom, just above the waterline.
- Jet units attached to transom.
- Aluminium dive platform (recently blasted & re-coated) with new non-slip aluminium surface attached to transom above jet units. Platform secured with original diagonal s/s supports to upper, and new s/s supports to lower transom. 4 x vertical poles affixed to transom platform.
- 2 x aluminium access ladders to platform - PS just replaced.

4. Hull fittings underwater in good order.
 - 2 x grid inlets for water jets.
 - 2 x clamshell inlets for engines cooling water.
 - 2 x underwater through-hulls (out of use, but in good order, and tested.)
 - 3 x topsides through-hulls in good order.

5. Sea cocks
 - All ball valves - all just o'hauled.
 - All were tested and found in good operational order.

6. Hoses/clips
 - Sound hoses, all just renewed.
 - Clips all in good order, doubled wherever possible and just renewed.

7. Shaft/seals
 - Jet shafts seals in good order - just replaced.

8. Deck.

The deck was GRP with painted anti-slip on all horizontal surfaces.
It was properly connected to the hull (bonded & mechanically fastened).

 - Sound, fair & blemish-free.
 - Very good non-slip capability.
 - No leakages.
 - Various reparations (good standard) have been effected in the recent haulout.
 - Main deck scuppers/drains have been modified to facilitate shedding of on-deck water.

9. Deck fittings were in generally good condition and properly attached.
 - S/s pulpit & rails/stanchions from bow to deckhouse break, all solidly secured to the deck. Pulpit top rail deformation now corrected.
 - 2 x s/s cleats at bows, 2 at mid-length, and 2 at quarters.
 - Moulded GRP deckhouse, with fixed windows for'd (4), and 1 each to P&S - no leakages. 1 x fractured window replaced.
 - Aluminium awning frame over open aft deck - a few minor repairs have recently been conducted. Awning material in good order - just replaced.
 - Secure companionway access to below deck for'd
 - S/s diesel, tank filler, SB side deck amids. Water tank filler & waste tank connection, PS amids.

- GRP P&S side benches, 2 within deckhouse and 2 on aft deck, divided by small GRP lockers. Bench support fixings refitted.
- Dive bottle stowage for 48 bottles fitted outboard of flanking side benches.
- Aluminium framed locker amidships.
- Aluminium ladder amids to GRP flybridge with control console, and helmsman's & side bench seating. Upholstery renewed.
- Aluminium folding bimini fitted over flybridge - bimini material renewed.

10. Anchoring arrangements were satisfactory and included :

- Afore-mentioned stem roller fitting
- 1 x 25 lb galvanized Danforth anchor + 1m plastic-coated chain + sufficient 18mm 3-stranded nylon rode.
- Anchor bollard at bow.

11. Mooring arrangements sufficient & in good order.

- Nylon lines (3-stranded)
- Plentiful fenders - in good order.

17. Engines/tankage.

Engines were Caterpillar, 6-cylinder diesel, serial #'s 4KG04145 & 4KG04147, each developing 300 HP, for a total of 600 HP. Both have just received a general o'haul, and 1 x new turbo-charger was replaced.

- Compartment accessed via hinged maindeck covers.
- Compartment has been re-coated.
- Engines & compartments exceptionally clean, with no effective leakages of any kind.
- All associated items in good condition.
- Clean luboil (oil & filters changed every 3 months)
- Engine instrumentation/control panels situated on flybridge - new.
- Jet bucket controls/instrumentation - new.
- All appropriate filters (primary/secondary).
- 1 x s/s 300 usg fuel tank in compartment immediately for'd of engine compt.
- Drive is by 2 x Kodiak aquajets #'s 3068 & 3069 - in excellent operational order, with no reported deficiencies - both have undergone major o'haul along with the engines.
- Hydraulic unit in tankage space - no leakages noted.

18 & 19. Engine/jet unit tests :

- All operationally excellent with no untoward items.

22. Steering

- S/S wheel mounted on flybridge console, with hydraulics to jet units.
- Steering pump platform supports repaired.

24. Power generation

- 35 amp engine-mounted alternators.
- Battery charger.
- Shore power socket (new with replacement shore cable).

25. Batteries (new)

- 2 x 6D, 1225 CCA, stowed securely P&S for'd in engine compartment.
- Battery switching arrangements.
- Vented compartments

26. Electrical wiring

- Marine tinned copper of correct gauge, well organized and the subject of considerable recent attention.
- Bonding/grounding system has been renewed/re-organized.
- New wiring looms between engine control panels and engines.
- Small, clean, accessible 12v DC switchboard in fore cabin..

27. Bilge pumping capability

- 3 x bilge pumps in for'd, E/R, aft compartments - in good order (tested).
- All fitted with float switches.
- 1 x high level alarm fitted in E/R.

28. Water systems

- 10 usg polyethylene FW tank.
- Pressure FW & SW systems in good order.

30. Charts

- Local charts only.

31. Navigation equipment comprised :

- Ritchie magnetic compass at flybridge console.
- Navigation/anchor lights - new & appropriate.
- Horn

33. Communications equipment comprised :

- Uniden MC535 VHF + antenna.
- Cell phones.

34. Life saving appliances included :

- 28 adult (with reflecting tape, whistles & lights), and 2 x children's approved lifejackets.
- 2 x lifebuoys (1 with light - tested).
- New flare pack (appropriate & approved).
- Signalling mirror.

35. Fire fighting appliances included :

- 2 x 3 lb Kidde dry powder portable extinguishers, (new).
- 1 x Kidde dry powder automatic fire extinguisher in engine compartment, serviced 01/07, valid 01/08.

37. First aid & medical equipment

- 1 x comprehensive first aid box.
- Dan oxygen unit.

38. Accommodation & equipment

- Clean, basic.
- Good house lighting.

***** END *****

RECOMMENDATIONS (#'s refer to item list)

No outstanding recommendations at this time.

***** END *****

CONDITION

This is a sound, safe & exceptionally well-maintained custom dive boat, which benefits from continuous attention & upgrading on the part of diligent & conscientious operators. In particular, the v/l has just completed a comprehensive refit (US\$ X), and is now considered to be in excellent o'all condition.

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

EVALUATION

1996 PRO 42, in excellent condition, 'as is', free of all liens and encumbrances, in Curacao, June 2007 :

Market value = US\$ X

Replacement value = 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 14th June 2007.

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

Enclosures : Photographic record