



## Insurance Risk Survey

Bavaria, DS 29, 2004



### Survey Details

Survey type:	Insurance Risk Survey
Survey No#:	IRS24113
Client:	[REDACTED]
	[REDACTED]
Inspection date:	13th November 2024
In-Water location:	Not Applicable, Inspected Out of Water Only.
Out-Water location:	SYC, Sandringham, Victoria

Contents

Disclaimers ..... 2

Areas ..... 3

    Hull Specifications ..... 3

    Hull Structure ..... 4

    Seacocks / Thru-hulls ..... 6

    Cockpit & Superstructure ..... 7

    Interior ..... 8

    Deck, Hardware & Fittings ..... 9

    Main Engines & Propulsion ..... 10

    Driveline ..... 12

    Steering & Manoeuvring ..... 14

    Fuel Systems ..... 14

    Plumbing Systems ..... 15

    Electrical Systems ..... 16

    Navigation & Communication ..... 17

    Bilge Pumps ..... 18

    Safety Equipment ..... 18

    General Summary ..... 19

## Disclaimers

### SCOPE OF SURVEY

The purpose of the survey is to ascertain the general condition and/or value of the vessel to assist the marine hull insurer in evaluating the insurance risk of the vessel.

This survey should not be used for the purpose of making a purchase decision on the named vessel. This vessel was surveyed without removals of any parts, including fittings, tacked carpet, screwed or nailed boards, anchors and chain, fixed partitions, instruments, spare parts, and miscellaneous material.

Locked compartments or otherwise inaccessible areas would also preclude inspection. If this survey does not mention a specific item, equipment or machinery, it has not been inspected or included as part of the survey scope.

The test methods used are of a non-destructive in nature, which may include Thermal Images, Moisture Meter readings, Ultrasound and Digital Photos throughout the survey where the surveyor has deemed appropriate and will be documented in the report if the findings prove to be notable.

Furthermore, no determination of stability characteristics or inherent structural integrity has been made and no opinion is expressed with respect thereto. Electrical and electronic systems tested by means of powering up only when power is available. If power is not available, visual inspections only are performed.

Engines, drives, mechanical and plumbing systems are inspected visually for signs of defect and deterioration. The use of Thermal Imaging or Infrared Thermometers may be used in some areas if deemed appropriate, any findings of note will be reported.

Minor defects may have been identified that are not specified in this report, in such circumstances these are considered as normal wear and tear to commensurate with the vessel's age.

Rigging and spars, where applicable, are inspected from the deck only. Sails are generally excluded from inspection unless otherwise stated. It is the vessels master's responsibility to ensure all safety equipment is appropriate for the vessels intended usage.

The survey report is subject to the Deaspec Marine terms and conditions and represents the condition of the vessel on the above date(s), and is the unbiased opinion of the undersigned, but is not to be considered an inventory or a warranty either specified or implied.

### DEFINITION OF TERMS

Terms used to identify the condition of item or components unless specifically indicated: **Excellent Condition:** New or presenting as new.

**Good Condition:** Near new, with only minor cosmetic discrepancies sighted.

**Sound Condition:** Useable and appropriately fitted for its intended purpose.

**Fair Condition:** Functional, however, may require ongoing maintenance or service.

**Poor Condition:** Requires replacement, repair or reached the end of service life.

1. Hull Specifications

Ref	Item	Description
1.1	Build / Make	Bavaria
1.2	Model	29DC
1.3	Year Model	2004
1.4	Main Engine (Port)	Volvo Penta: 225hp, 4.3 GXi raw water cooled petrol engine. Serial#4012101081
1.5	Main Engine (Starboard)	Volvo Penta: 225hp, 4.3 GXi raw water cooled petrol engine. Serial#4012101083
1.6	Registration	DS2020
1.7	Hull Number / HIN	DE-BAVF29N3I304
1.8	Length (M)	9.28
1.9	Beam (M)	2.98
1.10	Draft (M)	1.20
1.11	Disclaimer:	Specifications stated above are approximate only and provided for informational purposes. The information was received from online data and/or research of similar make and model vessels and are not the measurements taken from the actual vessel.





1. Hull Specifications (Cont.)



2. Hull Structure

Ref	Item	Material / Construction	Condition	Comments
2.1	Hull Bottom	FRP Composite	Sound	No damage or defect found to the hull bottom, appeared structurally sound throughout.
2.2	Keel	FRP Composite	Sound	

2. Hull Structure (Cont.)

2.3	Bulkheads	FRP Composite	Sound	
2.4	Hull stringers	FRP Composite	Sound	
2.5	Bilge	Flowcoat	Sound	Note: It is important to check all bilges prior and post vessel operation and immediately following vessel launch for water ingress as part of your standard operating procedures.
2.6	Transom	FRP / Timber Composite	Sound	
2.7	Hull side / Topsides	Gelcoat / FRP	Sound	
2.8	Gunnel	Rubber with Stainless Insert	Sound	White Ok ue oxidisation
2.9	Bow Stem	Gelcoat / FRP	Sound	
2.10	Skin Fittings	Plastic	Sound	
2.11	Swim platform	FRP Composite / Integral	Sound	
2.12	Antifouling	Black Ablative Application	Fair	Build up and flaking, currently being prepared for new antifoul while out of the water.



Ref # 2.1

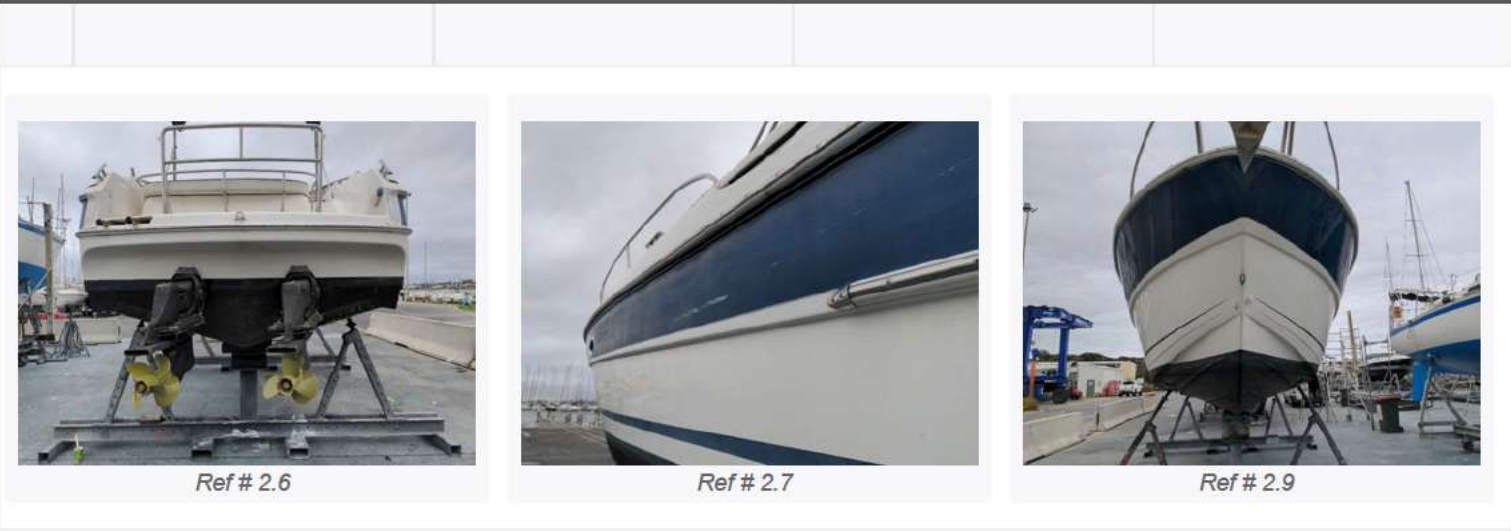


Ref # 2.1



Ref # 2.4

2. Hull Structure (Cont.)



3. Seacocks / Thru-hulls

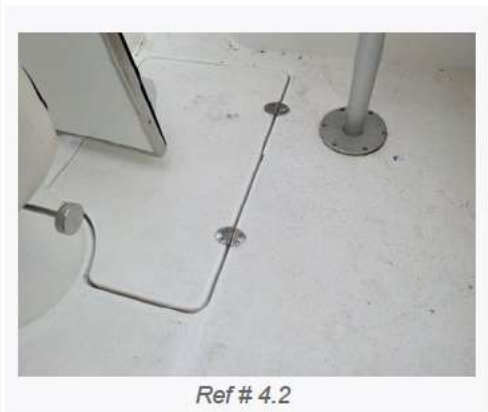
Ref	Item	Material / Construction	Condition	Comments
3.1	Seacocks	Bronze or similar	Sound	All exercised, appear serviceable.  Note: It is recommended that all seacocks and valves be cleaned, inspected and valves exercised at least monthly as part of the vessels maintenance program.; Zeus Drives
3.2	Intake Grills	Bronze or similar	Sound	
3.3	Skin Fittings	Bronze or similar	Sound	
3.4	Transducers / Speed Logs	Thru-Hull Type	Sound	





4. Cockpit & Superstructure

Ref	Item	Material / Construction	Condition	Comments
4.1	Superstructure	FRP Composite	Sound	Lockable cabin with open cockpit enclosed with clears.
4.2	Cockpit Sole	FRP Composite	Sound	
4.3	Combing / Bulwarks	FRP Composite	Sound	
4.4	Seating & Upholstery	Vinyl	Fair	Some UV wear to cockpit upholstery.
4.5	Covers & Awnings	Canvas	Sound	Full cockpit cover.
4.6	Bimini Frame / Targa	Aluminium	Sound	
4.7	Cockpit doors	FRP Composite	Sound	
4.8	Cockpit Drainage	Self Draining	Sound	





5. Interior

Ref	Item	Material / Construction	Condition	Comments
5.1	Interior Frames	FRP Composite	Sound	Vessel interior appear original and suitably maintained with only minor wear and tear present to commensurate with age.
5.2	Cabinetry & Fitout	Timber Veneer	Sound	
5.3	Headlining	Moulded Panels	Sound	
5.4	Cabin Sole	Timber Veneer	Sound	
5.5	Galley Fitout	Timber Veneer	Sound	
5.6	Seating & Upholstery	Leather	Sound	



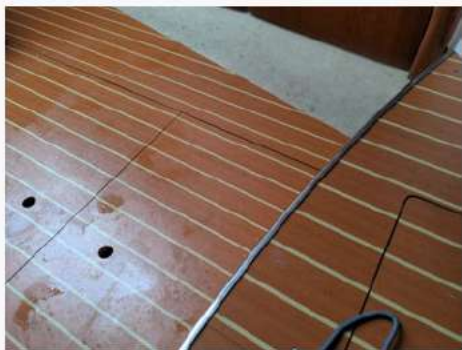
Ref #5



Ref #5



Ref #5



Ref # 5.4



Ref # 5.6

6. Deck, Hardware & Fittings

Ref	Item	Material / Construction	Condition	Comments
6.1	Foredeck Structure	FRP Composite	Sound	Deck was found rigid and structurally sound, all hardware appeared to be marine grade quality and secure.
6.2	Deck Finish	Non-skid	Sound	
6.3	Bowrail	Stainless Steel	Sound	
6.4	Stanchions	Stainless Steel		
6.5	Cleats	Stainless Steel	Sound	
6.6	Hatches	Acrylic or similar	Sound	
6.7	Windows	Glass or similar	Sound	
6.8	Anchor Winch	12-Volt Electric	Sound	
6.9	Anchor	Danforth (Galvanised)	Sound	
6.10	Anchor chain, warp and fittings	Galvanised	Sound	
6.11	Bow roller / Stem head	Stainless Steel	Sound	



7. Main Engines & Propulsion

Ref	Item	Type / Make	Condition	Comments
7.1	Engine Block	Volvo Penta	Sound	4.3 liter, 225 horsepower V-6 raw water cooled, fuel injected marine petrol engine.;  Appears to have good service history.
7.2	Sump	Pressed Steel	Sound	
7.3	Manifolds	Cast	Sound	Some light surface corrosion present.
7.4	Fuel Delivery System	Fuel Injected	Sound	
7.5	Exhaust System	Reinforced Marine Hose	Sound	
7.6	Exhaust Riser / Elbow	Cast	Sound	Note: Exhaust manifolds and risers are a service item and require replacement as recommended by the manufacturer.
7.7	Serpentine Belt	Reinforced Rubber	Sound	
7.8	Pulleys & Wheels	Steel	Sound	
7.9	Engine Bed Frames	FRP Composite	Sound	
7.10	Engine Mounts	Flexible Mounts	Sound	
7.11	Cooling System	Open / Raw water	Sound	
7.12	Hoses	Reinforced Rubber	Sound	
7.13	Blowers / Ventilation	12-volt	Sound	
7.14	Engine Oil	Oil	Sound	
7.15	Power steering oil	Oil	Sound	
7.16	Gear lube / oil	Oil	N/A	Not inspected, plug removal required.
7.17	Raw water pump	Impeller Pump	Sound	



7. Main Engines & Propulsion (Cont.)

7.18	Thermostat	Cast	Sound	
7.19	Throttle connections	Mechanical Terminals	Sound	.
7.20	Gear shift connections	Mechanical Terminals	Sound	
7.21	Throttle levers	Morse Type	Sound	
7.22	Engine bilge	Flow coat	Sound	
7.23	Engine Hours	Helm Gauge Reading	Sound	Stbd: 329 Port: 326
7.24	Engine Operation	Engine was not operated		<p>The findings reported are from a visual inspection only, no assessment has been made of the internal condition of the engine(s).;</p> <p>Access to some parts of the engine, driveline and exhaust system were restricted by fixed components and preclude inspection.</p>





7. Main Engines & Propulsion (Cont.)



Ref # 7.1



Ref # 7.3



Ref # 7.6



Ref # 7.7



Ref # 7.10



Ref # 7.17



Ref # 7.23



Ref # 7.23

8. Driveline

Ref	Item	Type / Make	Condition	Comments
8.1	Type	Stem Drives	Sound	Appear in serviceable condition
8.2	Gear Box	MerCruiser	Sound	
8.3	Propellers	Stainless Steel	Sound	Duo props

8. Driveline (Cont.)

8.4	Shaft	Stainless Steel	Sound	
8.5	Transom Shields	Cast Aluminium	Sound	
8.6	Steering Seal	Seal	Sound	
8.7	Leg Trim Rams	Hydraulic	Sound	Functional, end o-ring seals at loose.
8.8	Bellows	Rubbers	Sound	<p>Note: All sterndrive bellows have a limited service life and require regular service and replacement.;</p> <p>Please refer to manufacturers maintenance and service guidelines.</p>
8.9	Bonding	Wire	Sound	
8.10	Drive Anodes	Zinc or Aluminium	Sound	
8.11	Drive Coatings	Antifouling / Prop-speed	Sound	



Ref # 8.1




Ref # 8.1




Ref # 8.2

8. Driveline (Cont.)



Ref # 8.3



Ref # 8.7

9. Steering & Manoeuvring

Ref	Item	Type / Make	Condition	Comments
9.1	Helm	Single Helm	Sound	Appears suitably functional for vessel.
9.2	Type	Hynautic Hydraulic	Sound	
9.3	Connections and Lines	Hose	Sound	
9.4	Trim Tabs Plate	Interceptor type	Sound	Volvo Penta interceptor type trimming system.
9.5	Trim Rams	Interceptor type	Sound	



Ref # 9.1

10. Fuel Systems

Ref	Item	Type / Make	Condition	Comments
10.1	Fuel Lines	Marine Fuel Hose	Sound	



10. Fuel Systems (Cont.)

10.2	Fuel Fittings	Compression Fittings	Sound	
10.3	Fuel Filters	Yamar	Sound	
10.4	Fuel Shut-Off	Bronze Valve	Sound	
10.5	Fuel Filler Line	Fuel Hose	Sound	
10.6	Fuel Breather	Fuel Hose	Sound	
10.7	Fuel Tank	Stainless Steel	Sound	Said to be 500 Capacity



Ref # 10.1



Ref # 10.3



Ref # 10.4


11. Plumbing Systems

Ref	Item	Type / Make	Condition	Comments
11.1	Fresh Water Pump	12-Volt	Sound	
11.2	Water Tank	Polyethylene or similar	Sound	Said to be 120 litre capacity
11.3	Plumbing / Hose	Reinforced Hose	Sound	
11.4	Sinks	Stainless Steel	Sound	
11.5	Showers	Head Shower	Sound	
11.6	Shower Drainage	12-volt	Sound	
11.7	Toilet / Head	Electric Flush	Sound	
11.8	Toilet Plumbing	Sanitation Hose	Sound	




11. Plumbing Systems (Cont.)


11.9	Vented	Vented Loop	Sound	
11.10	Holding Tank	Polyethylene or similar	Sound	Small holding tank fitted.



Ref # 11.2



Ref # 11.7




Ref # 11.10


12. Electrical Systems

Ref	Item	Type / Make	Condition	Comments
12.1	Shore Power Lead	15-amp Heavy Duty	Sound	
12.2	Shore Power Breaker	15-amp Breaker	Sound	
12.3	Wiring & Cables	Insulated Wire	Sound	
12.4	Switch Panel	AC/DC switch panel	Sound	
12.5	Power outlets / GPO	Australian Type	Sound	Tested using DETA-240 plug tester, resulting in a PASS.
12.6	Battery Charger	240-volt	Sound	
12.7	Batteries	12-volt	Sound	


12. Electrical Systems (Cont.)



Ref # 12.3



Ref # 12.4



Ref # 12.7

13. Navigation & Communication

Ref	Appliance	Type	Test		Comments
13.1	VHF Radio	GME	Powered-up:	Yes	
13.2	Chartplotter	Navman Tracker	Powered-up:	Yes	
13.3	Depth Gauge / Sonar	Autohelm Bi-Data	Powered-up:	Yes	
13.4	GPS / Speed Log	Navman Tracker	Powered-up:	Yes	
13.5	Navigation Lights	12-volt	Powered-up:	Yes	
13.6	Horn	12-volt	Powered-up:	Yes	
13.7	Vessel Gauges	Analogue Gauges	Powered-up:	Yes	



Ref # 13.1



Ref # 13.2



Ref # 13.3

14. Bilge Pumps

Ref	Location	Number / Type	Comments
14.1	Aft Pump/s	1 x 12-Volt	powered up with automatic float.
14.2	Manual Hand Pump	Whale	Serviced from the Cockpit



Ref # 14.1

15. Safety Equipment

Ref	Safety Gear	Type	Comments
15.1	Life Jackets	Foam PFD type	5x Inflatable & 5 x Foam sighted.  Note: Periodic self inspection of all PFD's and cylinders is essential. Inflatable gas cylinders require replacement, check expiry dates stamped on cylinders.
15.2	Extinguishers	Dry Chemical Type	3 x 1kg Dry Chemical.  Note: Dry powder Fire extinguishers should be discharged and recharged every 5 years.
15.3	Fire Suppression	Fire Boy	In engine bay
15.4	EPIRB	AccuSat	Battery Expired
15.5	Flares	Flare Kit	Flares Expired
15.6	Fire Blankets	One Blanket	Found in galley
15.7	Life rings	Plastic Ring	In cabin along along with a retriever float
15.8	Compass	Rotchie	On helm



15. Safety Equipment (Cont.)

15.9	Notice:	Safety Gear Inspection	<p>It is the vessels master's responsibility to ensure all safety equipment is appropriate for the vessels intended usage.</p> <p>All safety gear and fire equipment including: fire extinguishers, life jackets, Epirbs, gas and smoke alarms all require regular inspection, service and replacement.</p> <p>All states and regions in Australia have different safety requirements, ensure you are familiar with your local safety requires and ensure the vessel and gear is suitably equipped for the waterway.</p>
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Ref # 15.3

16. General Summary

Ref	Vessel	Summary
16.1	Summary	<p>The Bavaria 29DC presents in sound condition cosmetically and structurally and appears to have been reasonably maintained and suitably serviced.</p> <p>No notable defects have been identified from our inspection with the above scope.. Some other defects may have been identified, however, have been considered as normal through general wear and tear to commensurate with the vessel's age.</p> <p>It is the vessels master's responsibility to ensure all safety equipment is appropriate for the vessels intended usage.</p>

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