



Research Vessel Inspection & Equipment Checklist

Marine Inspection Checklist | <https://marineinspection.app/>

Inspector Name		Date		Signature	
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Vessel Documentation & Compliance

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Certificates and permits valid and onboard		■	■	■	■
2	Research approvals and permits available		■	■	■	■
3	Logbooks maintained and up to date		■	■	■	■
4	Inspection and audit records available		■	■	■	■
5	Deficiencies closed out		■	■	■	■

Hull, Deck & Laboratory Spaces

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Hull free from visible damage		■	■	■	■
2	Decks and working areas safe and secure		■	■	■	■
3	Laboratory spaces clean and organized		■	■	■	■
4	Hazardous material storage compliant		■	■	■	■
5	Access routes and escape ways clear		■	■	■	■

Propulsion & Steering Systems

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Main engines operational		■	■	■	■
2	Steering gear responsive		■	■	■	■
3	Propulsion controls functioning correctly		■	■	■	■
4	No fuel or oil leaks observed		■	■	■	■
5	Emergency steering tested		■	■	■	■

Navigation & Communication Equipment

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Navigation lights operational		■	■	■	■
2	Radar and AIS functioning correctly		■	■	■	■
3	GPS and chart systems operational		■	■	■	■
4	VHF radios operational		■	■	■	■
5	Bridge alarms operational		■	■	■	■

Scientific Equipment & Laboratories

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Scientific instruments calibrated		■	■	■	■
2	Sampling equipment operational		■	■	■	■
3	Data acquisition systems functioning		■	■	■	■
4	Laboratory safety equipment available		■	■	■	■
5	Research equipment secured for sea		■	■	■	■

Machinery, Electrical & Auxiliary Systems

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Generators operational		■	■	■	■
2	Electrical panels in good condition		■	■	■	■
3	Battery systems charged and secure		■	■	■	■
4	Bilge pumps operational		■	■	■	■
5	Auxiliary machinery functional		■	■	■	■

Crew & Research Team Safety Readiness

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Crew and researchers briefed on safety		■	■	■	■
2	PPE available and used as required		■	■	■	■
3	Emergency procedures understood		■	■	■	■
4	Drills conducted as scheduled		■	■	■	■
5	Fatigue management procedures followed		■	■	■	■