

HULL CLEANING SERVICES

DIVING OPERATIONS IN GIBRALTAR



ORC MARINE
DIVING AND MARINE SERVICES

Orc Marine provides with diving and marine services.
Our expertise personnel and our equipment is ready
To give you the best results.

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ORC MARINE
DIVING AND MARINE SERVICES

Underwater Inspections | Class Inspections
Underwater Hull Cleaning | Propeller Polishing | Plugging
Anchor Search and Recovery

EVERY CHALLENGE HAS A SOLUTION.

UNDERWATER INSPECTIONS

Underwater Inspections save time and money

Our diving teams are masters at their craft and our state-of-the-art equipment can handle every aspect of an underwater inspection process.

Going underwater to execute intense cleaning projects is critical for improving vessel performance and fuel efficiency, and preventing system failures. Our visual, photographic and CCTV equipment includes high resolution side scan sonar, magnetometers for ferrous and non-ferrous metals and a Falcon ROV.

Regular underwater inspections can detect—and help prevent—environmental damage, safety hazards, inefficient operations, even costly repairs in the future.

- Bent propellers, damaged blades and roughness.
- Worn anodes rendering a cathodic protection system unworkable
- Hull cracks or other damage
- Ropes inside the stern tube assembly
- Leaking stern tube or thruster seals
- Clogged, loose or damaged sea chest grids
- Loose or broken grids on thruster tunnels
- Damaged, bent, broken or detached bilge keels

CLASS INSPECTIONS

Approved provider: UWILD surveys by Bureau Veritas, Lloyds Register, American Bureau of Shipping, DNV, RINA and Class NK

We conduct special inspections at the request of vessel owners, representatives, surveyors and insurers. Orc Marine has been appointed by major ship classification societies as provider of underwater inspections in lieu of drydocking. Additional services conducted by our experienced dive team include plug blanking and disentangling ropes from propellers, among other services.



UNDERWATER HULL CLEANING

Enhancing the performance of your vessel

Delays in cleaning a vessel can lead to a significant amount of hard fouling. This affects the fuel consumption, speed and power of your vessel, and could also result in damage to the paint system.

The buildup of hard or shell fouling can cause noise, turbulence, and cavitation; speed logs, sonars and other hull mounted sensors can also be altered. Our cleaning material include:

- Brush Karts
- Hydraulic powered twin head cleaning units.
- Hydraulic powered polisher
- Specialized brushes that remove marine fouling from low surface energy coatings without causing damage

PROPELLER POLISHING

Superior underwater techniques

A propeller, which is maintained and polished in-water, will be delivered with an average surface finish of 1 micron or better.

This finish is possible due to the rotation of a polishing pad that creates a centrifugal suction of up to 120kg/cm². This underwater technique results in a finer surface finish than could be achieved in a dry environment.

BLANKING & PLUGGING

A cost-effective method of changing defective valves and repairing sea chest plating includes inboard repairs to plug intakes or overboard discharges.

Orc Marine has extensive experience in blanking, an operation that can avoid drydock off-hire time and expense.

OUR SAFETY CULTURE

The safety of our employees and stakeholders is at the foundation of every response, project and activity at Orc Marine. Our safety culture is guided by uncompromising safety leadership; engaging employees on safe work practices with a focus on hazard recognition and mitigation; a commitment to continual process improvement. This approach is fundamental to every aspect of who we are and how we work.