



RYA Advanced powerboat – Day and night course

Aim: To teach boat handling, seamanship, pilotage and navigation up to the standards required to drive a planing powerboat safely by day and night in tidal coastal waters with which the candidate may be familiar.

Ratio: 1: 6 (using two boats)

Assumed knowledge: Candidates should be competent to the standard of the RYA Intermediate Powerboat certificate with a thorough knowledge of navigation and chartwork to the level of the Day Skipper theory shorebased certificate.

You are required to hold a first aid certificate and a VHF operator's certificate.

Duration: 2 days & 1 evening

Minimum age: 17

PRACTICAL

Preparation for sea

Can:

- Prepare the powerboat
- Carry out fuel and engine checks
- Stow and secure gear

Boat handling

Knowledge of:

- Differences for a twin engine vessel

Understands:

- Characteristics of various hull forms and propeller configurations
- Action to be taken in rough weather

Can:

- Demonstrate a practical understanding and correct use of power trim and trim tabs
- Demonstrate an awareness of the effects of wind and tide when manoeuvring, including:
 - Steering to transits
 - Turning in a confined space
 - Berthing in various conditions of wind and tide
 - Picking up and leaving a mooring buoy
- Demonstrate the use of an appropriate length kill cord at all times

Passage making and responsibility as skipper

Understands:

- The importance of pre-trip planning
- Planning and making coastal passages, taking into account the relevant navigational hazards, the type of boat and the strengths of the crew
- Chart plotter and radar, their advantages and limitations



Can:

- Carry out pilotage plans and pilotage for entry into or departure from harbour
- Use leading and clearing lines, transits, back bearings and soundings as aids to pilotage
- Use GPS and understand its limitations in pilotage
- Navigate using soundings

Meteorology

Knowledge of:

- Terms used in shipping forecasts; including the Beaufort scale, and their significance to small craft

Understands:

- Sources of forecast information and interpretation of forecasts including synoptic charts
- The significance of meteorological trends

Rules of the road

Can:

- Apply the international regulations for preventing collisions at sea

Use of engines

Knowledge of:

- How to change a propeller
- Propeller diameter and pitch
- Propeller ventilation and cavitation

Understands:

- Checks to be made before starting, during running and after stopping for diesel and petrol engines
- Periodic checks on engines and electrical system including spark plugs, water filters and pump impellers
- How to bleed the fuel system (diesel), change filters and pump impellers, transmission belts
- Spares to be carried

Emergency situations

Understands:

- Correct action to take in emergency situations
- Fire prevention and fighting
- Hull damage/watertight integrity
- What to do in a medical emergency
- Towing and being towed
- Helicopter rescue procedures
- Use of flares
- Search patterns

Can:

- Pick up a man overboard in all available conditions

Night cruising

Can:

- Take charge of a powerboat at night, including leaving and entering harbour
- Demonstrate ability at keeping a proper lookout and identifying lit and unlit marks by night



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