

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 14687WAT — Hydrogen Fuel for Ships Future Fuels

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference TR-WAT-14687WAT • ISO Transport

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	TR-WAT-14687WAT
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Economic Implications of Hydrogen Fuel 0 chapters45 marks	
2 Introduction to Hydrogen Fuel Standards 5 chapters · 30 classes85 marks	• 1 Overview of Hydrogen Fuel and Its Importance in Maritime Transport — 6 classes › 1.1 Define Hydrogen Fuel and Its Properties in Maritime Context › 1.2 Explore the Importance of Hydrogen Fuel for Reducing Emissions › 1.3 Identify Current Uses and Innovations of Hydrogen Fuel in Shipping › 1.4 Evaluate Regulatory Frameworks and Standards for Hydrogen Fuel › 1.5 Discuss the Challenges and Opportunities of Implementing Hydrogen Fuel › 1.6 Analyze Case Studies of Hydrogen Fuel Applications in Maritime Transport • 2 Understanding ISO Standards for Hydrogen Fuel — 6 classes › 2.1 Define ISO Standards and Their Importance in Hydrogen Fuel › 2.2 Explore Key ISO Standards Relevant to Hydrogen Fuel › 2.3 Analyze the Role of ISO 14687 in Hydrogen Fuel Quality › 2.4 Examine the Compliance Requirements for Hydrogen Fuel Production › 2.5 Discuss the Implications of Non-Compliance with ISO Standards › 2.6 Apply ISO Standards to Develop a Hydrogen Fuel Safety Protocol • 3 Safety Standards and Protocols in Hydrogen Fuel Usage — 6 classes › 3.1 Identify Key Safety Standards for Hydrogen Fuel Usage › 3.2 Analyze the Impact of Hydrogen Fuel Properties on Safety Protocols › 3.3 Examine Risk Assessment Procedures for Hydrogen Fuel Applications › 3.4 Discuss Emergency Response Strategies for Hydrogen Fuel Incidents › 3.5 Implement Safety Protocols for Hydrogen Fuel Storage and Handling › 3.6 Evaluate Safety Compliance in Hydrogen Fuel Systems for Maritime Use • 4 Environmental Impact and Regulatory Frameworks — 6 classes › 4.1 Explore the Environmental Benefits of Hydrogen Fuel › 4.2 Identify Key Regulatory Frameworks for Hydrogen Fuel Usage › 4.3 Analyze Current Legislation Impacting Hydrogen Fuel for Ships › 4.4 Assess the Role of ISO Standards in Hydrogen Fuel Implementation › 4.5 Discuss Stakeholder Responsibilities in Compliance with Regulations › 4.6 Develop a Compliance Checklist for Hydrogen Fuel Standards • 5 Future Trends and Innovations in Hydrogen Fuel for Shipping — 6 classes › 5.1 Explore the Potential of Hydrogen Fuel in Maritime Transport › 5.2 Analyze Current Innovations in Hydrogen Fuel Technology › 5.3 Assess Global Regulations Impacting Hydrogen Fuel Standards › 5.4 Identify Key Players and Stakeholders in the Hydrogen Shipping Market › 5.5 Investigate Case Studies of Successful Hydrogen Fuel Adoption in Shipping › 5.6 Develop a Strategic Action Plan for Implementing Hydrogen Solutions in Shipping
3 Leadership in Sustainable Fuel Transition 0 chapters85 marks	
4 Regulatory and Environmental Considerations 0 chapters85 marks	

5

Stakeholder Engagement and Project Management

0 chapters

45 marks

6

Strategic Implementation of Hydrogen Technologies

5 chapters

85 marks

- 1 Understanding Hydrogen as a Marine Fuel: Properties and Benefits
- 2 Current Technologies and Infrastructure for Hydrogen Implementation in Shipping
- 3 Regulatory Frameworks and Standards for Hydrogen in Maritime Transport

- 4 Strategic Implementation: Case Studies and Best Practices
- 5 Future Trends and Innovations in Hydrogen Shipping Technologies