

No. 147 **Type Approval Certificate of Internal Combustion Engine**

(Oct
2016)

This form is a harmonised Type Approval Certificate of Internal Combustion Engine defining the information and particulars to be contained in the certificate.

The section "Engine Particulars" of the form should be filled out as required. However, when - on a case-by-case basis - the applicant considers some data as confidential information which should not be open to the public and this is accepted by Classification Society, such information may be omitted and the note "omitted at the request of the applicant" should be added. However, such confidential information is to be specified in the Type Approval supporting documentation.

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Type Approval Certificate of Internal Combustion Engine

This is to certify that the undernoted Internal Combustion Engine, Builders/Licensees and Places of Production have been approved in accordance with the relevant requirements of this Society's Type Approval System.

Certificate Description

Certificate Number	:		Initial Approval date	:	
			Approval number	:	
Engine Designer	:				

Engine Particulars

Engine Type	:				
Application	:	<input type="checkbox"/> Propulsion	(<input type="checkbox"/> Single engine / <input type="checkbox"/> Multi-engine installation)		
	:	<input type="checkbox"/> Auxiliary	<input type="checkbox"/> Emergency		
Number of Cylinders	:				
Cylinder arrangement	:	<input type="checkbox"/> In-line	<input type="checkbox"/> Vee (V-angle)	<input type="checkbox"/> Other ()
Cylinder Bore (mm)	:				
Stroke (mm)	:				
Rated Power (kW/cyl.)	:				
Rated Speed (1/min.)	:				
Mean Indicated Pressure (bar, MPa, etc.)	:				
Mean Effective Pressure (bar, MPa, etc.)	:				
Max Firing Pressure (bar, MPa, etc.)	:				
Fuel injection	:	<input type="checkbox"/> Direct	<input type="checkbox"/> Indirect		
	:	<input type="checkbox"/> Cam controlled injection	<input type="checkbox"/> Electronically controlled injection		
Injection System	:	<input type="checkbox"/> Pump+Pipe+Injector	<input type="checkbox"/> Common rail	<input type="checkbox"/> Other ()	
Valve operation	:	<input type="checkbox"/> Cam control	<input type="checkbox"/> Electronic control		
Kind of fuel	:	<input type="checkbox"/> Liquid	<input type="checkbox"/> Dual-fuel	<input type="checkbox"/> Gaseous	
Working cycle	:	<input type="checkbox"/> 4-stroke	<input type="checkbox"/> 2-stroke		
Turbocharging system	:	<input type="checkbox"/> Pulsating	<input type="checkbox"/> Constant pressure	<input type="checkbox"/> None	
	:	<input type="checkbox"/> Single-stage	<input type="checkbox"/> Two stage		
Charge air cooling system	:	<input type="checkbox"/> With intercooler	<input type="checkbox"/> Without intercooler		
Miscellaneous features (e.g. EGR, SCR)	:				

This Certificate is valid until [Date].
Issued at [Place of issue] on [Date].

Signature

Signature

Name / Position

[Endorsement stamp]

Name / Position

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Society. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to in/they being placed on board vessel to which the amended regulations or standards apply. This certificate does not relate to the approval of equipment/systems installed.

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Type Approval Certificate of Internal Combustion Engine

Approval condition (service restriction)

Rules/Standards

List of Class approved Builders/Licensees and Places of Production

Additional Information

Note) Details of the integrated ancillaries, such as turbochargers, crankcase explosion relief valves, controller hardware and software, etc., may be included.

List of Appendices (At the request of individual Society, e.g. Type Approval Documentation, TAT details, Specific Equipment, Detailed Information, etc.)

Appendix A. Appendix A's caption would be here

Appendix B. Appendix B's caption would be here

Appendix C. Appendix C's caption would be here

Appendix D. Appendix D's caption would be here

Appendix E. Appendix E's caption would be here

END OF CERTIFICATE

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