

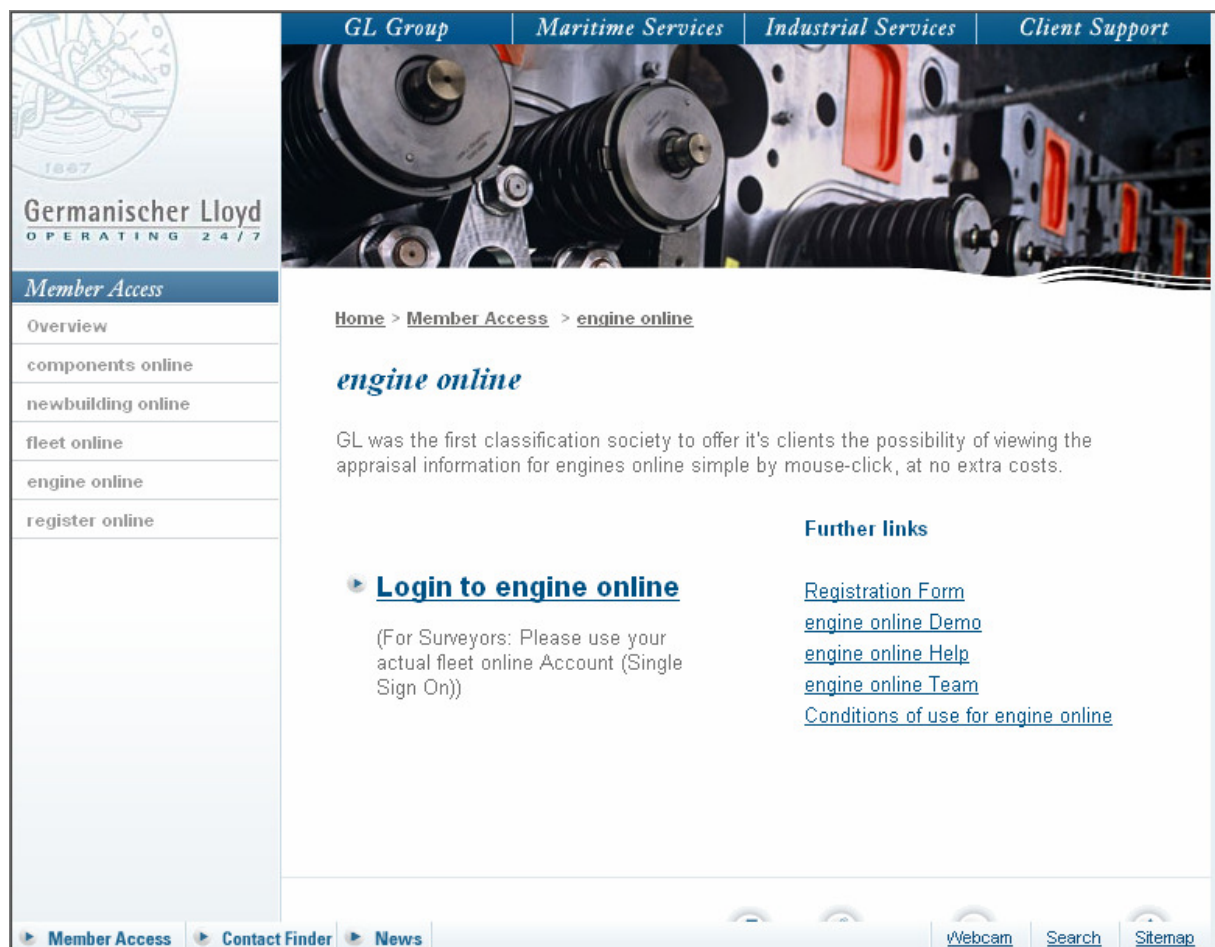
engine online Help

A. Introduction

With *engine online* you have the opportunity to get information about current approval status of your GL-classed diesel engines.

B. System entry

Please visit Germanischer Lloyd's homepage at <http://www.gl-group.com>. Click the "Member Access" button in the bottom left corner and select "engine online".



The screenshot shows the Germanischer Lloyd website interface. At the top, there is a navigation bar with links for 'GL Group', 'Maritime Services', 'Industrial Services', and 'Client Support'. Below this is a large image of a diesel engine. On the left side, there is a 'Member Access' menu with options: Overview, components online, newbuilding online, fleet online, engine online, and register online. The main content area displays the breadcrumb trail 'Home > Member Access > engine online' and the heading 'engine online'. A paragraph states: 'GL was the first classification society to offer its clients the possibility of viewing the appraisal information for engines online simple by mouse-click, at no extra costs.' Below this is a 'Login to engine online' button with the text '(For Surveyors: Please use your actual fleet online Account (Single Sign On))'. To the right, under 'Further links', there are links for 'Registration Form', 'engine online Demo', 'engine online Help', 'engine online Team', and 'Conditions of use for engine online'. At the bottom of the page, there is a footer with links for 'Member Access', 'Contact Finder', 'News', 'Webcam', 'Search', and 'Sitemap'.

Alternatively, you can directly visit <http://www.gl-group.com/engineonline>, which will bring you directly to the *engine online* main page.

B.1. User registration and system login

Users of the system require a User Identification (UserID) and a Password, which can be obtained on request from:

Germanischer Lloyd AG
Combustion Engines - Classification
Vorsetzen 35
D-20459 Hamburg
Germany

E-mail: EngineService@gl-group.com

Otherwise, you may also obtain your UserID and Password by using the online "Registration Form" at <http://www.gl-group.com/engineonline>.

Please enter the required contact details. After having read and accepted the "Conditions of use for engine online" please click "send".

For login to *engine online* follow the link "Login to engine online" on the *engine online* main page.

Please enter your UserID and Password and click "Login".

If you have forgotten your access data, please contact GL (use above-mentioned address or EngineService@gl-group.com)

B.2. System demo use

For initial testing, the "engine online demo" link at the *engine online* main page can be used.

C. System use

After a successful login a list of your GL-classed engine types will be displayed.

To get more information about a special engine type, please click on the engine name.

This will open a page with further information:

The top of the page will show you the general information of this Engine Type and their special characteristics.

The middle part will give a view of the information of the Design Appraisal.

The bottom part summarises the information of the Type Approval Test respectively Approval for Mass Production.

The third part also includes a possibility to download a copy of the Type Approval Certificate respectively Mass Production Certificate by executing the underlined link of the certificate number.

D. Description of shown information

1. General Information of the Engine Type

<i>in-line, vee</i>	cylinder arrangement
<i>trunk piston, crosshead</i>	design
<i>2-stroke, 4-stroke</i>	working cycle
<i>bore [mm]</i>	diameter of cylinder
<i>stroke [mm]</i>	length of piston stroke

2. Ratings

<i>Output [kW]</i>	<i>Speed [min-1]</i>	<i>Cylinder No.</i>	<i>Power / Cylinder [kW]</i>	<i>Application</i>	<i>P_{mi} [bar]</i>	<i>P_{me} [bar]</i>	<i>P_{max} [bar]</i>	<i>Approval No</i>	<i>Approval Date</i>	<i>Rating Definition</i>
Rated Power	Rated Engine Speed	Number of Cylinders	Power per Cylinder	Range of application (Unrestricted, Propulsion, Auxiliary, or Special)	Mean Indicated Pressure	Mean Effective Pressure	Maximum Cylinder Pressure (Gauge)	GL Approval Number	Date of GL Approval	Definition of Rating

3. Information of the Design Appraisal

<i>Drawing No.</i>	<i>Rev. No.</i>	<i>Title</i>	<i>Reference No.</i>	<i>State</i>	<i>Appraisal Date</i>	<i>Remarks</i>
Number of the Drawing	Revision Number	Title of the Drawing	GL Reference No.	Appraisal Status	Date of appraisal	Remarks

4. Information of the Type Approval Test

<i>Certificate No.</i>	Number of the Certificate (hyperlink)
<i>Certificate Date</i>	Date of the Certificate
<i>Place of Test</i>	Place where test took place
<i>Date of Test</i>	Date when test took place
<i>Type Test Report</i>	Title of Type Approval Test Report submitted by the engine manufacturer
<i>Type Test Report Ref. No.</i>	GL Reference Number of the Type Test Report
<i>Approval Status</i>	Status of Type Approval
<i>Remarks</i>	Important Remarks on the Certificates

5. Information of the Mass Produced Engines

<i>Certificate No.</i>	Number of the Certificate (hyperlink)
<i>Approval Status</i>	Status of Approval for Mass Production of this engine type
<i>Certificate Date</i>	Date of the Certificate
<i>Place of Engine Built</i>	Plant where engine will be build
<i>Date of Audit</i>	Date when audit took place
<i>Valid to</i>	Certificate is valid until
<i>Remarks</i>	Important Remarks on the Certificate