



# Design Appraisal Document

Lloyd's Register EMEA  
UK & Ireland Technical Support Office, Marine & Offshore  
Lloyd's Register Global Technology Centre  
Southampton Boldrewood Innovation Campus  
Burgess Road, Southampton, UK  
SO16 7QF

Date  
**08 February 2022**

Please quote the document number on all future communications

## Loading Computer Software Kongsberg – K-Load Version 5 General Approval – Strength Aspects Additional Strength Features

1. The software listed in the Appendix has been examined for compliance with the procedure "Approval of Strength and Stability Calculation Programs", dated June 2018, and the documents referred to therein, and is assigned an appraisal status as indicated, subject to the following.
2. Strength features appraised:-
  - 2.1 Multiple SF/BM Limits.
  - 2.2 Shear Force Corrections in accordance with the Rules and Regulations for the Classification of Ships.
  - 2.3 Shear force corrections in accordance with the Common Structural Rules for Bulk Carriers, before 1<sup>st</sup> July 2015.
  - 2.4 Shear force corrections in accordance with the Common Structural Rules for Bulk Carriers and Tankers, 1<sup>st</sup> July 2015 onward.
3. This appraisal has been based upon IMO 9729740. This data has not been verified, but is concluded to be an accurate representation of the ship.

  
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LR021.1.2016.06

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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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## Appendix

1. The documents listed below have been examined

Software	Rev.	Title	Status	Date
<b>K-Load</b>	<b>5</b>	<b>Loading Computer Software</b>	<b>A</b>	<b>08-Feb-2022</b>

2. The documents listed below have been considered together with the submitted documents in the appraisal

Document No.	Rev.	Title
--	--	<b>Test Conditions for K-Load</b> <b>IMO 9729740</b>
<b>OH677-005-10</b>	<b>0</b>	<b>Final Loading Manual part I</b>

3. The documents previously appraised in earlier submissions, now listed in paragraph 1 above, are superseded.
4. Documents not mentioned above are not required for appraisal or as supporting documentation and have not been retained.

### Appraisal Status Key

A Approved - provided the arrangements are to the surveyor's satisfaction

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