Certificate No: LR26474702LCS
Issue Date: 01/10/2026
Expiry Date: 05/12/2029

Certificate of General Approval

This is to certify that the undernoted Loading Computer Software has been examined in accordance with the relevant Classification Rules and Procedures, and the applicable Statutory Regulations and is approved for the functions stated below and detailed on the Supplement attached hereto.

Company	**Kockumation A/S**
Address	Østre Havnevej 2, 3., Svendborg, 5700, Denmark
Software Name	LOADSTAR (Windows)
Software ID/Version Number	1.0 (release 1.2)
Minimum Hardware Specifications	Intel Pentium i5, 8 GB RAM, 21" wide screen monitor. For large container vessels 16 GB RAM is required.
Operating System	Windows 7 (Recommended Windows 10)
User's Operations Manual ID	CLI/20/301
Approved Functions	☒ Strength ☒ IACS UR L 5 Type 1 - Intact Stability ☒ IACS UR L 5 Type 2 - Damage Stability (Limiting Curves) ☐ IACS UR L 5 Type 3 - Damage Stability (Direct Calculaltions) ☐ IACS UR L 5 Type 4 - Damage Stability (Safe Return to Port)
Strength Design Appraisal Document	-
Stability Design Appraisal Document	-

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Des Fong

Ship Structure - Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Supplement

Strength Features

Bulkhead Shear Force Correction Factors – Ship rules	No
Bulkhead Shear Force Correction Factors - CSR Before 1st July 2015	No
Bulkhead Shear Force Correction Factors - CSR From 1st July 2015	No
Permissible Cargo Torque	Single
Strength With Any Single Hold Flooded (URS17)	No
Local Double Bottom Strength (URS1A)	No
Permissible Shear Forces and Bending moments	Single

Intact Stability Features

Hydrostatic Data	Trimmed (pre-programmed)
Tank capacity Data	Even keel (pre-programmed)
Cross curve Data	Trimmed (pre-programmed)
Down-flooding Data	Trimmed angles (pre-programmed)
General Criteria Check	Intact Stability Code, as amended - MSC267(85)
Weather Criteria	Intact Stability Code, as amended - MSC267(85)
Windage Data	Variable table
Timber Criteria Check	No
Timber Cargo Water Absorption	No
Ice Accumulation	Deadweight item
Inland Waterways (ADN) (1)	No
Free Surface Moment calculation	Maximum values - Even keel (pre-programmed)
GZ Curve Calculation	Corrected by the maximum upright inertia for all heeling angles
Free Surface Select Options for Each Tank	No
Grain Stability	No
Limiting KG/GM Curves	Single parameter (limit versus even keel draught or displacement); Two parameters (limit versus trimmed draught or displacement)

Damage Stability Features

Limiting KG/GM Curves	Single parameter (limit versus even keel draught or displacement); Two parameters (limit versus trimmed draught or displacement); Combined intact and damage limit curve option
Direct Calculations	No

(1) Type C Tank Ships, Tank Width > 0.7B
(2) Applicable to Type 3 functionality only

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Operational Information for Safe Return to Port	No

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