

# S.A.MALLIAROUDAKIS MARITIME (UK) LTD.

*Committed to improve your ship and operations*



## DESCRIPTION OF STEEL COILS (MAXIMUM ALLOWABLE & ACTUAL LOADING)



### BRIEF DESCRIPTION

Bulk Carriers able to load steel coils and built as per Common Structural Rules (CSR) from 2006 onwards, can benefit as follows:

The new CSR version of steel coils loading software applicable to all bulk carriers with date of built 2006 is accepted by ALL IACS MEMBERS.

1. This fact greatly streamlines the usual disputes raised between charterers / owners.
2. The new version allows higher steel coil loading on tank top. Especially for coils heavier than 20MT.
3. Similar to our previous steel coils version, apart from the Maximum Allowable Steel Coils Loading, we also provide the Actual Steel Coils Loading option.
4. For STOWAGE PLAN purposes the new version print outs, include tables showing for each Cargo Hold weight, number of coils per row/tier and corresponding centers of gravity.

Looking at Ship's Loading Manual we get limited information... either:

- The Max. Tank Top Strength (MT/m<sup>2</sup>) for uniform loading which however is not adequate criterion for Steel Coils Loading.
- Or in the cases where there is some information from the Builders in the Loading Manual, this is usually the bare minimum, e.g. Covers only the case of 2 Tiers of 15t coils, supported by 3 rows of dunnages.

Features and Benefits of the actual steel coils loading and maximum allowable steel coils loading module for vessel and office application like:

- Stowage Plan (rows/hold)
- Determination of Tank Top Loading as percentage of Maximum Allowable
- Calculation method as per Classification societies
- Maximum Permissible Number of Coils for given dimensions
- For Chartering Purposes, negotiating tool for preventing Tank Top Overloading
- Print-out
- In-House Development
- Automatic synchronization of data between vessel and office



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