

ENHANCING CARGO LOADING

Bulk carrier owners and operators are looking for opportunities to expand their services for new cargo suppliers.

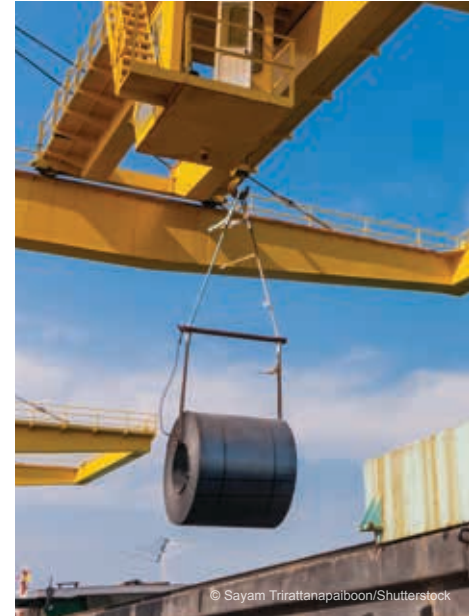
Bulk carriers are capable of loading a variety of different cargoes and need the ability to be flexible for charterer's loads that may not be typical to their operations. Recognizing these demands, ABS developed a service and analysis tool that enables more flexible loading of atypical steel coils. In developing this software and service, ABS has taken a comprehensive approach to steel coil loading. This capability enables faster decisions regarding the suitability of the vessel to carry new types of cargoes.

Using the ABS loading analysis software enables timely and accurate decisions on the carriage of steel coil loads that are not included in the loading manual. Through its loading analysis service, ABS provides tables that define the allowable limits of steel coil arrangements in cargo holds, supporting more optimized and efficient loading.

The required software input consists of:

- **Ship-specific data** - Ship particulars, cargo hold dimensions, inner bottom and hopper plate location and thickness, inner bottom stiffeners information, hull girder section inertia, neutral axis location and seagoing still water bending moments in hogging and sagging.
- **Steel coil-specific data** - Length, diameter, number of dunnage and number of tiers.

The results include tables for each cargo hold, which define the maximum weight of steel coils that can be loaded at specific locations onboard for various combinations of steel coil lengths, tiers and supporting dunnage underneath.



With engineering offices positioned around the globe, ABS can also provide a timely review of steel coil loads, steel slab loads and other types of nontraditional deck cargoes on ABS-classed vessels.

ABS understands the unique operational and regulatory challenges that the bulker sector faces and has pioneered solutions to address both environmental requirements and vessel performance. As a leader in marine classification, ABS classes all bulk carrier designs and sizes, from handy and handymax to capesize and very large ore carriers (VLOCs), and is positioned globally to provide exceptional class services.

By utilizing the ABS steel coil loading analysis service, owners and operators can demonstrate a commitment to safety that supports more efficient operations.

