§ 154.410 Cargo tank sloshing loads.

(a) For the calculation required under §154.406(a)(5) and (b), the determined sloshing loads resulting from the accelerations under §154.409(f) must be specially approved by the Commandant (CG–ENG).

(b) If the sloshing loads affect the cargo tank scantlings, an analysis of the effects of the sloshing loads in addition to the calculation under paragraph (a) of this section must be specially approved by the Commandant (CG–ENG).


§ 154.411 Cargo tank thermal loads.

For the calculations required under §154.406(a)(4), the following determined loads must be specially approved by the Commandant (CG–ENG):

(a) Transient thermal loads for the cooling down periods of cargo tanks for design temperatures lower than \(-55\, ^\circ\text{C} (\sim 7\, ^\circ\text{F})\).

(b) Stationary thermal loads for cargo tanks for design temperatures lower than \(-55\, ^\circ\text{C} (\sim 7\, ^\circ\text{F})\) that cause high thermal stress.