



The Great Lakes - St. Lawrence Seaway System
Le réseau Grands Lacs - Voie maritime du Saint-Laurent

SEAWAY NOTICE NO. 10 – 2016

Draft Information System (DIS) Correction

Mariners of vessels equipped with an approved and operational DIS are advised that a correction to the dynamic squat equation for traditional laker vessels in a shallow lake must be made to their DIS before the beginning of the 2017 navigation season. The correction can be found in the revised DIS specification issued on November 8, 2016 as per the Customer Advisory found at:

<http://www.greatlakes-seaway.com/en/news/customer-advisories/advisories/ca20161108.html>

The original traditional laker dynamic squat equation overstates the amount of squat in a shallow lake. As a result, the traditional laker's underkeel clearance is actually double what is displayed on the DIS. The correction will more accurately represent the squat characteristics of a traditional laker.

Once the correction has been made to the DIS, mariners are asked to complete the attached ***DIS Correction Confirmation*** form and fax it to Seaway - Operations at 613-932-5204 or email it to sgrady@seaway.ca.

Thank you for your cooperation.

November 9, 2016



Draft Information System (DIS) Correction Confirmation Form

The original traditional laker dynamic squat equation overstates the amount of squat in a shallow lake. As a result, the traditional laker's underkeel clearance is actually double what is being shown on the DIS. The correction more accurately represents the squat characteristics of a traditional laker.

Vessel Name:

IMO Number:

Initials in this
column indicate
that the
validation requirement
has been satisfied

Criteria	Validation	Initials
Change dynamic squat equation for traditional laker in a shallow lake	From: $S = -0.0001007 * V^4 + 0.002602 * V^3 - 0.0116014 * V^2 + 0.0429744 * V$ To: $S = -0.0001007 * V^4 + 0.002602 * V^3 - 0.016014 * V^2 + 0.0429744 * V$	

V is the vessel speed through water.

Signature: _____
(Signature of Master)

Name: _____
(Please print)

Date: _____

Fax: Seaway Operations at 613-932-5204
or email: sgrady@seaway.ca