



DET NORSKE VERITAS

DNV Id No:
33601
Date of issue:
2013-07-16

APPENDIX TO
CLASSIFICATION CERTIFICATE

The contents of this Appendix are applicable to the vessel with DNV Id. No.:

33601

Built by:

A/B Åsiverken / -

as Yard No.:

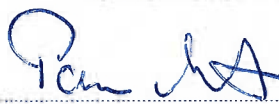
43 / -

The Appendix is to be kept on board the vessel, and should upon request be made available to surveyors of Det Norske Veritas.

It is important that the responsible officers on board are informed about the contents of this Appendix.

Issued at **Høvik, Norway** on **2013-07-16**

for Det Norske Veritas AS


Geir Storaas
Surveyor



INTRODUCTION

Classification of a vessel is based on certain assumptions regarding operation of the vessel. This Appendix outlines such assumptions. Assumptions associated with specific notations are also included in the Appendix.

In case amendments, additions and/or deletions to the Appendix are required, a new Appendix will be issued by the Society.

The vessel has been assigned the following class:

 **1A1 R1 ICE-1C Tug**

Class definitions, as well as general regulations for the assignment and retention of class, are given in Det Norske Veritas' Rules for Classification of Ships.

The DNV Rules are available for downloading from http://www.dnv.com/resources/rules_standards/.

ASSUMPTIONS REGARDING SPECIFIC NOTATIONS

Service Restriction Notations

The vessel is assumed to be trading within the area specified in the service restriction notation.

R1

This notation indicates the service area is restricted to a distance in nautical miles from nearest harbour or safe anchorage in relation to the seasonal zones as given below:

Winter: 100

Summer: 200

Tropical: 300

The seasonal zones are as defined in the International Conference on Load Lines, 1966, Annex II.

Service and Type Notations

ICE-1C

This notation implies that the vessel has been strengthened for navigation in the northern Baltic in winter or areas with similar ice conditions according to the Rule requirements for this notation.

The ICE strengthening is based on:

	Fore	Amidships	Aft
Maximum moulded draught "UIWL" (m)	3.2	3.6	4.0
Minimum moulded draught "LIWL" (m)	2.3		3.2

Minimum required propulsion power (kW)	735
Special conditions	NA

The data for ICE strengthening is based on information received from LR.

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