



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002G5
Revision No:
2

This is to certify:

That

Algoma Steel Inc
105 West Street, Sault Ste. Marie, Ontario,
Canada

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV rules for classification – Ships

and the following particulars:

Application area	Normal strength steel High strength steel
Products	Plates
Manufacturing method	Basic oxygen converter, Continuous casting
Max. thickness / diameter	See page 2
Heat treatment condition	See page 2
Additional approval conditions	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2022-03-09**

This Certificate is valid until **2025-03-12**.

DNV local station: **Montreal**

Approval Engineer: **Christian Wildhagen**



for **DNV**

Digitally Signed By: Wenning, Martin
Location: DNV Hamburg, Germany
Signing Date: 09.03.2022 , on behalf of

Thorsten Lohmann
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Particulars of the approval

Normal strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness / diameter [mm]	Heat treatment condition ²⁾	Z-quality
NV A, NV B, NV D	Plate	BOC, CC	Al	35	AR	-
NV A, NV B, NV D	Plate	BOC, CC	Al	50	N	-
NV A, NV B, NV D	Plate	BOC, CC	Al	35	TM	-

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness / diameter [mm]	Heat treatment condition ²⁾	Z-quality
NV A32, NV A36	Plate	BOC, CC	Al+Nb+V	12.7	AR	-
NV A32, NV A36, NV D32, NV D36, NV E32, NV E36	Plate	BOC, CC	Al+Nb+V	35	TM	-

Remarks:

- 1) BOC: Basic oxygen converter
CC: Continuous casting
- 2) AR: as rolled
TM: thermo-mechanical rolling
N: normalised

Special conditions:

For final approval of NV A32, NV A36, NV D32, and NV D36 in condition NR / thickness up to 30 mm, strain age testing results to be submitted.

For final approval of NV A, NV B, NV D and NV E in condition N / thickness up to 50 mm, strain age testing results to be submitted.

For final approval of NV A32, NV A36, NV D32, NV D36, NV 32 and NV E36 in condition N / thickness up to 50 mm, strain age testing results and weldability test with heat input of 50 kJ/cm to be submitted.