



Task - T1747583
Steel Mill Approval - Extension
Certificate No. STML-T1628478-2

Attention: Ms. Shana Starr, JSW Steel (USA) Inc. (WCN 503385)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture products for hull application as outlined in the process/product approval.

1. ABS Rules for Materials and Welding Part 2 (2018)

Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request renewal of approval prior to the five year expiry date.

For any clarifications, contact Karthik Mantravadi at +1 281 877 6476, vmantravadi@eagle.org.

Very truly yours,

Wei-Biao (Bill) Shi
Vice President

Electronically Signed by: Satya Meruva



Documents List

Drawing No.	Rev. No.	Title	Status
Supporting Info 1	-	Test Results Grade D	Reviewed
Supporting Info 2	-	Test Results Grade DH36	Reviewed
Supporting Info 3	-	Test Results- Comprehensive	Reviewed

Electronic copies of the documents, appropriately stamped are available through the ABS Eagle Construct Engineering Manager (O2E), Web portal.

Process/Product Approval

Product	Grade	Thickness	Fine Grain Practice	Casting Practice	Delivery condition
Extension of Approval					
Plate	ABS – A*/B*/D	83.3 mm	Al	CC/IC	CR
Plate	ABS – A*/B*/D	83.3 mm	Al	CC/IC	N
Plate	ABS – AH*/DH 32*/36	83.3 mm	Al+V	CC/IC	CR
Steel Making Practice: Slabs sourced from Arcelor Mittal Brazil S.A (WCN: 861957) Deoxidation Practice: Slabs sourced from Arcelor Mittal Brazil S.A (WCN: 861957) Heat treatment Facility: In-house					
Previously Approved Grades					
Plate	ABS - AH*/DH 32*/36	82.3 mm	Al	CC/IC	CR
Plate	ABS - AH*/DH*/EH 32*/36 Z35	83.3 mm	Al	CC/IC	N
Plate	ABS – A*/B*/D	65.5 mm	Al	CC/IC	CR
Plate	ABS - AH*/DH*/EH 32*/36 Z35	83.3 mm	Al	CC/IC	CR
Plate	ABS – A*/B*/D	65.5 mm	Al	CC/IC	N
Plate	ABS – A*/B*/D*/E	50.8 mm	Al	CC/IC	N
Steel Making Practice: Slabs sourced from JSW Steel Limited, Vijaynagar Works (WCN: 840282), Karnataka, India & ArcelorMittal Lazaro Cardenas S.A. de C.V., Michoacan, Mexico (WCN: 763351)					



Deoxidation Practice: Slabs sourced from JSW Steel Limited, Vijaynagar Works (WCN: 840282), Karnataka, India & ArcelorMittal Lazaro Cardenas S.A. de C.V., Michoacan, Mexico (WCN: 763351)					
Heat treatment Facility: In-house					
Plate	ABS – AH*/DH 32*/36	13 mm	Al+V	CC/IC	AR
Plate	ABS – AH40	13 mm	Al+V	CC/IC	AR
Plate	ABS – AH*/DH*/EH 32*/36	63 mm	Al+Nb+V	CC/IC	N
Plate	ABS – A*/B	75 mm	Al	CC/IC	AR
Plate	ABS – A*/B*/D	35 mm	Al	CC/IC	AR
Plate	ABS – A*/B*/D*/E	50.8 mm	Al	CC/IC	N
Steel Making Practice: Slabs sourced from Azovstal Iron and Steel Works (WCN: 249129)					
Deoxidation Practice: Slabs sourced from Azovstal Iron and Steel Works (WCN: 249129)					
Heat treatment Facility: In-house					
Plate	ABS – AH*/DH 32*/36	50 mm	Al+V	CC/IC	CR
Steel Making Practice: Slabs sourced from Ilyich Iron & Steel Works (WCN: 367179)					
Deoxidation Practice: Slabs sourced from Ilyich Iron & Steel Works (WCN: 367179)					
Heat treatment Facility: In-house					
Plate	ABS – A*/B*/D	75 mm	Al	CC/IC	CR
Steel Making Practice: Slabs sourced from JSC Nizhny Tagil Metallurgical Plant (WCN: 161175)					
Deoxidation Practice: Slabs sourced from JSC Nizhny Tagil Metallurgical Plant (WCN: 161175)					
Heat treatment Facility: In-house					

* Approval of these grades is based on qualification tests carried out on the higher grade.