

Attn:



Test Certificate

12400 Highway 43 North, Axis, Alabama 36505, US

WARNING: This product can expose you to chemicals including nickel and nickel compounds, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Customer: **Customer P.O.No.:HOU-10582** **Mill Order No. 41-681106-03** **Shipping Manifest: AR363135**

Product Description: ABS (2022) GR A / GR B
 ASTM A36(19)/A709(21)36/ASME SA36(21)
 ASTM A285-C(18)/ASME SA285-C(21)
 0.80-0.90% MN, 0.10% MAX S

Ship Date: 24 Aug 22 **Cert No: 081064809**
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Size: 0.438 X 96.00 X 480.0 (IN)

Tested Pieces:

Heat Id	Place Id	Tested Thickness	Tst Loc	YS (KSI)	UTS (KSI)	%RA	Elong 2in	Elong 8in	Tst Dir	Hardness	Abs. Energy(FITLb)	% Shear	Tst Trip	Tst Dir	Tst Siz (mm)	BDWTT	Temp %Shr	
E2H172	C39	0.319 (DISCRT)	L 52	70			40		T		1	2	3	Avg				
E2H172	C43	0.506 (DISCRT)	L 51	70			40		T		1	2	3	Avg				

Chemical Analysis

Heat Id	C	Mn	P	S	SI	Total Sol Al	Cu	Ni	Cr	Mo	CB	V	TI	Orgn				
E2H172	.15	.85	.011	.002	.03	.030	.028	.29	.16	.14	.03	.001	.003	.013	.29			USA

KILLED STEEL.
 MERCURY IS NOT A METALLURGICAL COMPONENT OF THE STEEL AND NO MERCURY WAS INTENTIONALLY ADDED DURING THE MANUFACTURE OF THIS PRODUCT.
 WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY SSAB AMERICAS BY THE ELECTRIC FURNACE / STRAND CAST PROCESS AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN BUREAU OF SHIPPING RULES WITH SATISFACTORY RESULTS.
 CEV = C + MN/6
 KILLED STEEL, PRODUCED TO A FINE GRAIN PRACTICE
 MTR EN 10204:2004 INSPECTION CERTIFICATE 3.1 COMPLIANT
 100% WEIRED, POURED, AND ROLLED IN THE USA
 NO WELD REPAIR HAS BEEN PERFORMED ON THIS MATERIAL.
 PRODUCTS SHIPPED: C42 PCS: 5, LBS: 28620

WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION

Jason Thomas
 Director Technical Services