

SSAB

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.

Form TC-1; Revision 4; Date 6 Feb 2019

Customer: **Customer P.C.No.: HOU-10520** Mill Order No. **41-676518-02** Shipping Manifest: **ARC359674**

Product Description: **ABS (2022) GR A1 GR B**
ASTM A36(19)/A709(2)/36/ASME SA36(21)
ASTM A283-C(18)/ASME SA283-C(21)
0.80-0.90% MN, 0.010% MAX S

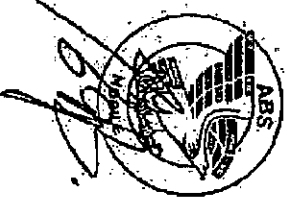
Ship Date: **29 Jun 22** Cert No: **081054401**
Cert Date: **29 Jun 22** (Page 1 of 1)

Size: **0.313 X 120.0 X 480.0 (IN)**

Heat Id	Piece Id	Tested Thickness	Tst Loc	Tensiles:			Charpy Impact Tests			BDWTT							
				YS (KSI)	UTS (KSI)	%RA	Elong %	Tst Dir	Hardness		Abs. Energy (FTLB)	% Shear	Tst Temp	Tst Dir	Tst Slz (mm)	Temp %Shr	
WZ808	C13	0.320 (DISCR)	L 53	71	36	T	1	2	3	Avg	1	2	3	Avg			

Heat Id	Chemical Analysis											ORGN				
	C	Mn	P	S	SI	Total Soln	Cu	Ni	Cr	Mo	Cb		V	Ti	Gov	
WZ808	.15	.87	.010	.004	.03	.030	.029	.29	.15	.13	.02	.000	.002	.014	.30	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% MELTED, Poured, AND ROLLED IN THE USA
NO WELD REPAIR HAS BEEN PERFORMED ON THIS MATERIAL.
PRODUCTS SHIPPED:
WZ808 C13 PCES: 9, LBS: 46017



Erlin G. Baudista Jr.
 439215, 97 July 2022.

WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION **Jason Thomas** Director Technical Services **06/30/2022**