



Test Certificate

12400 Highway 43 North, Axis, Alabama 36505, US

Form TC1: Revision 2: Date 23 Apr 2014

Customer: SWEDISH STEEL AB MEXICO, S.A. DE C.V. BATALLON SAN PATRICIO 109 LOCAL 403 VALLE OTE SAN PEDRO GARZA GARCIA NL 66269	Customer P.O.No.: M1631	Mill Order No. 41-506151-05	Shipping Manifest: UR156377
	Product Description: HARDOX 500 ABRASION RESISTANT STEEL PLATE		Ship Date: 20 Oct 17 Cert Date: 20 Oct17
	Size: 15.90 X 2438 X 7315 (MM)		Cert No: 850171390 (Page 1 of 1)
Heat Treat Type: QUENCHED			

Tested Pieces:				Tensiles:					Charpy Impact Tests							BDWTT Tmp %Shr					
Heat Id	Piece Id	Piece Dimensions	Tst Loc	YS (MPA)	UTS (MPA)	%RA	Elong % 50 200 (mm)	Tst Dir	Hardness	Abs. Energy(J) 1 2 3 Avg				% Shear 1 2 3 Avg				Tst Tmp	Tst Dir	Tst Siz (mm)	
E7I107	F02	16.03 (DISCRT)	L						505 HBW												

Heat Id	Chemical Analysis																			ORGN	
	C	Mn	P	S	Si	Tot Al	Sol Al	Cu	Ni	Cr	Mo	Cb	V	Ti	Sn	B	N	Ca	IIW		
E7I107	.25	.99	.010	.0003	.24	.058	.056	.16	.09	.83	.02	.013	.007	.011	.008	.0015	.0029	.0015	.61		USA

KILLED HOT ROLLED ALLOY STEEL PLATE QUENCHED
 FINISH: PRIMER PAINT
 ACCESSORIES: NONE
 MERCURY IS NOT A METALLURGICAL COMPONENT OF THE STEEL AND NO MERCURY WAS INTENTIONALLY ADDED DURING THE MANUFACTURE OF THIS PRODUCT.
 $CEV (IIW) = C + Mn/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15$
 MTR EN 10204:2004 INSPECTION CERTIFICATE 3.1 COMPLIANT
 WELD REPAIRING HAS NOT BEEN PERFORMED
 THE E-MAIL ADDRESS FOR MEXICO IMPORT PURPOSES IS MEXICO.CERTIFICATES@SSAB.COM.
 MATERIAL MARKED BELOW WITH AN ASTERISK IS PRODUCED FROM COIL
 PRODUCTS SHIPPED:
 E7I107 F02 5693579 PCES: 1, KGS: 2225.35

(P) Cust Part #: 1730	WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION	<u>Justin Ward +1 251 662 4400</u> SENIOR METALLURGIST - PRODUCT
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