

ArcelorMittal Burns Harbor Plate

US HWY 12 Burns Harbor, Indiana

QUALITY ASSURANCE
REPORT OF TEST AND ANALYSES

SHIPMENT NO. 803-34365	DATE SHIPPED 05-26-18	CAR OR VEHICLE NO. CSS-CHGO-BNSF	BNSF 545787	PAGE
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S O L D I D O		S H I P T O	
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N O T E	SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	SIZE AND QUANTITY				YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
					THICKNESS	WIDTH OR DIA.	LENGTH	WEIGHT				
					INCHES	INCHES	INCHES	POUNDS	PSI	PSI	IN	%

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.

PLATES - CSA G40.21-13 GR 44W MOD C.15 MIN

MN.80/1.20 KLD FINE GRAIN PRAC,

ASTM A36-12, ASTM A709-13A GR 36,

ASME SA36 2017 EDITION --- TEST

CERTS ARE PREPARED IN ACCORD WITH

PROCEDURES OUTLINED IN EN

10204:2004 TYPE 3.1

NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)

CO# V14211-72239 GH 875-5431

813B64820 4 3/8 96 240 9800 50700 74200 8 27

(M55)MFST REF#:037096240A36

822A42310 13 3/8 96 240 31850 52000 75500 8 25

(M55)MFST REF#:037096240A36

822B35560 15 3/8 96 240 36750 50500 75600 8 25

(M55)MFST REF#:037096240A36

822B35570 5 3/8 96 240 12250 50300 74700 8 25

(M55)MFST REF#:037096240A36

Q-QUENCH TEMPERATURE

T-TEMPER TEMPERATURE

N-NORMALIZE TEMPERATURE

SERIAL NUMBER	PAT NO.	HEAT NUMBER	HARD BHN	BEND	THICKNESS INCHES	TYPE	SIZE	DIR	TEST TEMP F	CHARPY IMPACT								
										ENERGY FT LBS			SHEAR(%)			LAT. EXP MILS		
										1	2	3	1	2	3	1	2	3

HEAT NUMBER	CHEMICAL ANALYSIS																MQUAID GRAIN SIZE
	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	N	Sn	
813B64820	.16	1.06	.010	.005	.327	.229	.18	.04	.015	.002	.002	.035	.0002	.003	.004	.005	
822A42310	.16	1.04	.010	.006	.336	.219	.17	.03	.010	.002	.002	.034	.0002	.002	.005	.004	
822B35560	.16	1.06	.010	.004	.330	.218	.18	.03	.005	.002	.002	.032	.0002	.002	.005	.005	
822B35570	.16	1.05	.011	.003	.340	.222	.18	.03	.005	.002	.002	.040	.0002	.003	.005	.003	

I certify that the above results are a true and correct copy of actual results contained in records maintained by ArcelorMittal Burns Harbor and are in full compliance with the requirements of the specification cited above. This test report cannot be altered and must be transmitted intact with any subsequent third party test reports, if required.

ANDREW SMITH PER **ELJ**

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SUPV. QUALITY ASSURANCE