

Cleveland-Cliffs Burns Harbor LLC

QUALITY ASSURANCE REPORT OF TEST AND ANALYSIS

US HWY 12 Burns Harbor, Indiana

SHIPMENT NO. 803-00594		DATE SHIPPED 11-15-22		CAR OR VEHICLE NO. AMERICAN COMMERCIAL			PAGE 1					
S O L D I D T O	S H I P T O	SIZE AND QUANTITY							YIELD POINT	TENSILE STRENGTH	AF FRAC. ELONG.	RED.
		SERIAL NUMBER	PAT NO.	HEAT NUMBER	NO. PCS.	THICKNESS	WIDTH OR DIA.	LENGTH				

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
 PLATES - ABS GR A KLD FINE GRAIN PRAC HULL
 REV 2022 CE=.40X C + (MN/6), ASTM
 A36-19, ASME SA36 2019 EDITION,
 ASTM A131-19 GR A, ASTM A709-21 GR
 36



Surveyor Name JOAO RENATOR DA SILVA
 Employee ID 20975
 Workorder No. 5555355
 Document Status Revised

CHICAGO PORT

NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)
 MFST - MFST PPI 0094306- 0001 LIFT MAX 15 TON UNLDG
 OH-PLATE HOOK

CO# KN-488 GH 887-1033

OUTSIDE INSPECTION BY AMERICAN BUREAU OF SHIPPING

811Z00080	27	.375	120	480	165402	40400	63300	8	27
						40100	63300	8	30

(M55)MFST REF#:001

821Z00080	5	.375	120	480	30630	40400	63300	8	27
						40100	63300	8	30

(M55)MFST REF#:001

Q-QUENCH TEMPERATURE	T-TEMPER TEMPERATURE	N-NORMALIZE TEMPERATURE
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WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE CLEVELAND-CLIFFS BH PLANT TO THE APPLICABLE SPECIFICATION BY AN APPROVED PROCESS AND HAS BEEN TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN BUREAU OF SHIPPING RULES FOR THE INSPECTION AND TESTING OF MATERIALS TO THE SATISFACTION OF THE SURVEYORS.

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

HEAT NUMBER	CHEMICAL ANALYSIS														MOQUAID GRAIN SIZE
	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Ti	Al	B	Cb	

811Z00080	.14	.63	.011	.004	.204	.012	.01	.03	.003	.001	.002	.033	.0002	.002	.003	.001
	CE															
	.25															
821Z00080	.14	.63	.011	.004	.204	.012	.01	.03	.003	.001	.002	.033	.0002	.002	.003	.001
	CE															
	.25															

I certify that the above results are a true and correct copy of actual results contained in records maintained by Cleveland-Cliffs Burns Harbor LLC 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.

SUPV QUALITY ASSURANCE
Form BHPLTRPT.TIF

FARID HASSANI PER MWT