

DATE: 8/09/11  
 INVOICE NO.: 427215  
 BILL OF LADING: 34025  
 CUSTOMER NO.: 0829  
 CUSTOMER P.O.: 4500079943

NUCOR-YAMATO STEEL CO.  
 P.O. BOX 1228 • BLYTHEVILLE, AR 72316

S H I P T O  
 FORTACERO C/O PAGE & JONES  
 251-432-1646  
 52 N JACKSON ST FIN DEST VERACRUZ  
 MOBILE, AL 36602

CERTIFIED MILL TEST REPORT

100% MELTED AND MANUFACTURED IN U.S.A.  
 All shapes produced by Nucor-Yamato Steel are cast and rolled to a fully killed and fine grain practice

S P E C I F I C A T I O N S  
 ASTM A992/A992M-06a A572/A572M GR50-07  
 ASTM A709/A709M-09 GR50 (345)  
 ASTM A709/A709M-09 GR50S (345S)  
 ASTM A6/A6M-09

S O L D T O  
 FORTACERO S.A. DE CV  
 BLVD CARLOS SALINAS DE GORTARI  
 KM 8.8  
 APODACA, N.L. MEXICO 66600

ITEM #	ITEM DESCRIPTION	QTY	HEAT #	YIELD TO TENSILE RATIO	MECHANICAL PROPERTIES			CHARPY IMPACT		CHEMICAL PROPERTIES												
					TENSILE	YIELD STRENGTH	ELONG.	TEMP	IMPACT ENERGY	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	CE	
					PSI	PSI	%	* F	FT-LBS													
					MPa	MPa	%	* C	JOULES													
1	W08 - 31.0 40' W200 x 46.1 12.192 M	10	369783	.79	56000	71000	28			.08	.94	.017	.025	.25	.30	.09	.09	.02	.00	.015	.29	
2	W08 - 31.0 40' W200 x 46.1 12.192 M	42	369785	.77	55000	71000	25			.08	.90	.014	.029	.27	.29	.09	.08	.02	.00	.016	.28	
3	W08 - 31.0 40' W200 x 46.1 12.192 M	8	369787	.79	56000	71000	25			.08	.92	.015	.028	.24	.26	.08	.09	.02	.00	.015	.27	
4	W14 - 22.0 40' W360 x 32.9 12.192 M	42	364743	.85	60000	71000	23			.07	.71	.020	.032	.27	.30	.11	.11	.03	.00	.007	.25	
5	W14 - 22.0 40' W360 x 32.9 12.192 M	21	364744	.82	56000	68000	24			.08	.72	.018	.029	.25	.28	.12	.12	.03	.00	.007	.26	
6	W18 - 71.0 40' W460 x106.0 12.192 M	2	370468	.75	53000	71000	27			.08	1.01	.023	.034	.26	.37	.11	.14	.03	.00	.016	.31	
7	W18 - 71.0 40' W460 x106.0 12.192 M	1	370471	.74	52000	70000	28			.08	1.00	.013	.029	.25	.30	.14	.08	.04	.00	.016	.30	
8	W18 - 71.0 40' W460 x106.0 12.192 M	3	370475	.77	54000	70000	27			.08	1.10	.013	.032	.26	.31	.13	.08	.03	.00	.015	.31	
9	W18 - 71.0 40' W460 x106.0 12.192 M	2	370584	.73	56000	77000	26			.17	.80	.012	.027	.19	.29	.11	.09	.03	.00	.016	.35	

WE WARRANT THAT THE CONTENTS OF THIS REPORT ARE ACCURATE AND CORRECT. ALL TEST RESULTS AND OPERATIONS PERFORMED BY THIS MATERIAL MANUFACTURER ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE MATERIAL SPECIFICATIONS LISTED IN THE SPECIFICATIONS BLOCK ABOVE.

*Doug Lennell*  
 QUALITY ASSURANCE  
 CUSTOMER COPY

STATE OF ARKANSAS COUNTY OF MISSISSIPPI  
 SWORN TO AND SUBSCRIBED BEFORE ME THIS  
 9 Day of 08/11  
*Charlene Wallis* NOTARY PUBLIC  
 MY COMMISSION EXPIRES 10/21/2013

