Bill To: SIDERTUL SA DE CV RFC# SID930918KR0 AVENIDA PRESIDENTE MASARYK MEXICO CITY  $\mathsf{DF}$ 11570 MΧ

Ship To: 1 SIDERTUL SA DE CV 402 GRAND CENTRAL BLVD MILO DISTRIBUTION CENTER LAREDO TX

Order Date:08/01/2011 PO No:4500014432 Mill Order No:3916139 Load No:1391203

Manifest No:2086505

GERDAU AMERISTEEL

GERDAU AMERISTEEL Midlothian Mill 300 Ward Road Midlothian, TX 76065 (972)775-8241

SIZE

S

.020

W 24 X 62# / W610 X 92

.34

.08

LENGTH

.003

PRODUCT

CERTIFIED MATERIAL TEST REPORT

SPECIFICATIONS

C

.08

78045

Si

.24

992/572-50

US

GRADE

.13

40 FT / 12.192 M

Nb

.022

CE

.29

WF BEAMS

ASTM A6-09, A992-06a, A572-07

Mn

.87

HEAT NO: 22596770

CHEMICAL ANALYSIS Cu Νi CrMo Sn V Al .028

PHYSICAL PROPERTIES

.002

Yield Strength		Tensile Strength		Specimen Area		Elongation			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	8	Gage Ler	ngth	Dia. Result	~~~ %
55.9	385.4	72.6	500.6	0.840	5.42	23.6	8 In	200 mm		
55.7	384.0	72.8	501.9	0.863	5.57	24.8	8 In	200 mm		

.010

TENSILE TEST RATIOS

YLD/TENS TENS/YLD YLD/TENS TENS/YLD

Ρ

.021

.77 1.3 .77 1.31

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204 3.1

"I hereby certify that the contents of this report are correct and accurate. All tests and operations performed by this material manufacturer or its sub-contractors, when applicable, are in compliance with the requirements of the material specifications and applicable purchaser designated requirements."

Janu \_ / Same \_ Date: Aug. 05, 2011 Signed: Tom L. Harrington: Quality Assurance Manager

Notary Public (if applicable)

Page: 1 of

Date:

CERTIFIED MATERIAL TEST REPORT Bill To: Ship To: 1 Order Date:08/01/2011 SIDERTUL SA DE CV SIDERTUL SA DE CV PO No:4500014432 GERDAU AMERISTEEL RFC# SID930918KR0 402 GRAND CENTRAL BLVD Mill Order No:3916139 Midlothian Mill GERDAU AMERISTEEL AVENIDA PRESIDENTE MASARYK MILO DISTRIBUTION CENTER Load No:1391203 300 Ward Road MEXICO CITY  $_{
m DF}$ LAREDO TXManifest No:2086505 Midlothian, TX 76065 11570 MX 78045 US (972)775-8241 SIZE GRADE LENGTH PRODUCT W 24 X 62# / W610 X 92 992/572-50 SPECIFICATIONS 40 FT / 12.192 M WF BEAMS ASTM A6-09, A992-06a, A572-07 HEAT NO: 22605460 CHEMICAL ANALYSIS C Ρ Mn S Si Cu Νi CrMo Sn V Al Nb CE .06 .91 .018 .040 .26 .29 .09 .18 .035 .008 .003 .003 .018 .28

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Ler	ngth	Dia. Result	%
54.9	378.5	72.0	496.4	0.873	5.63	25.8	8 In	200 mm		· ·
55.2	380.6	71.4	492.3	0.850	5.48	24.6	8 Tn	200 mm		

TENSILE TEST RATIOS

YLD/TENS TENS/YLD YLD/TENS TENS/YLD

.76 1.31 .77 1.29

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204~3.1

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Bill To: Ship To: 1 Order Date:08/01/2011 CERTIFIED MATERIAL TEST REPORT SIDERTUL SA DE CV SIDERTUL SA DE CV PO No:4500014432 GERDAU AMERISTEEL RFC# SID930918KR0 402 GRAND CENTRAL BLVD Mill Order No:3916139 Midlothian Mill GERDAU AMERISTEEL AVENIDA PRESIDENTE MASARYK MILO DISTRIBUTION CENTER Load No:1391203 300 Ward Road MEXICO CITY DF LAREDO Manifest No:2086505 TXMidlothian, TX 76065 11570 MΧ 78045 US (972)775-8241 SIZE GRADE LENGTH PRODUCT W 24 X 62# / W610 X 92 992/572-50 40 FT / 12.192 M WF BEAMS SPECIFICATIONS ASTM A6-09, A992-06a, A572-07 HEAT NO: 22605470 CHEMICAL ANALYSIS C Mn Ρ S Si Νi Cu CrMo Sn V Al Nb CE .08 .016 .041 .89 .23 .32 .10 .14 .031 .014 .002 .003 .020 .29 PHYSICAL PROPERTIES Yield Strength Tensile Strength Specimen Area Elongation Bend Test ROA KSI MPa KSI MPa Sq In Sq cm 왕 Gage Length Dia. Result 55.7 384.0 72.1 497.1 5.49 0.851 25.2 8 In 200 mm 56.0 386.1 73.7 508.1 0.881 5.68 25.2 8 In 200 mm

TENSILE TEST RATIOS

YLD/TENS TENS/YLD YLD/TENS TENS/YLD

.77 1.3 .76 1.32

## Remarks

Portions of this heat were incorrectly stenciled as 22605480. Yellow stickers with the correct heat number have been applied to each affected bar.

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