CERTIFIED MATERIAL TEST REPORT Bill To: Order Date:06/17/2011 Ship To: 7 SIDERTUL SA DE CV SIDERTUL SA DE CV PO No:4500012651 GERDAU AMERISTEEL 402 GRAND CENTRAL BLVD Mill Order No:3899423 RFC# SID930918KR0 Midlothian Mill GERDAU AMERISTEEL AVENIDA PRESIDENTE MASARYK MILO DISTRIBUTION CENTER Load No:1396619 300 Ward Road MEXICO CITY DF LAREDO TX Manifest No:2093425 Midlothian, TX 76065 11570 MX 78045 US (972)775-8241 SIZE GRADE LENGTH PRODUCT W 18 X 65# / W460 X 97 992/572-50 40 FT / 12.192 M WF BEAMS SPECIFICATIONS ASTM A6-09, A992-06a, A572-07 HEAT NO: 22599840 CHEMICAL ANALYSIS  $\mathsf{C}$ Mn S Si Ni Cr Mo Sn Al CE .09 .85 .010 .033 .24 .30 .09 .029 .09 .012 .002 .003 .020 .28 PHYSICAL PROPERTIES Tensile Strength Yield Strength Specimen Area Elongation Bend Test ROA Sq In KSI . MPa KSI MPa Sq cm Gage Length Dia. Result

6.83

6.77

25.4

25.9

8 In

8 In

200 mm

200 mm

1.058

1.049

TENSILE TEST RATIOS

373.7

372.3

54.2

54.0

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

71.9

72.0

495.7

496.4

.75 1.33 .75 1.33

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."

Signed Date: Sep. 20, 2011 Signed: Date: Date: Tom L. Harrington: Quality Assurance Manager Notary Public (if applicable)

Page: 1 of 3

Bill To:
SIDERTUL SA DE CV
RFC# SID930918KR0
AVENIDA PRESIDENTE MASARYK
MEXICO CITY DF
11570 MX

Ship To: 7
SIDERTUL SA DE CV
402 GRAND CENTRAL BLVD
MILO DISTRIBUTION CENTER
LAREDO TX
78045 US

Order Date:06/17/2011 PO No:4500012651 Mill Order No:3899423 Load No:1396619

Manifest No:2093425

GERDAU AMERISTEEL

CE

.26

CERTIFIED MATERIAL TEST REPORT GERDAU AMERISTEEL

Midlothian Mill 300 Ward Road

Midlothian, TX 76065 (972)775-8241

SIZE

.26

S

.037

W 18 X 65# / W460 X 97

.34

GRADE 992/572-50 LENGTH 40 FT / 12.192 M PRODUCT WF BEAMS

SPECIFICATIONS

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

Mn

.83

.014

HEAT NO: 22599910

C

.07

CHEMICAL ANALYSIS
Si Cu Nì Cr Mo Sn V

.09

.10

Mo Sn V Al Nb

PHYSICAL PROPERTIES

Yield Strength	Tensile Strength	Specimen Area	Elongation	Bend Test	RO		
KSI MPa	KSI MPa	Sq In Sq cm	% Gage Length	Dia. Result	9		
53.8 370.9	71.2 490.9	1.063 6.86	25.2 8 In 200 mm				
54.0 372.3	71.2 490.9	1.055 6.81	25.8 8 In 200 mm				

TENSILE TEST RATIOS

YLD/TENS

.76

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Signed Date: Sep. 19, 2011
Tom L. Harrington: Quality Assurance Manager

Signed:

Notary Public (if applicable)

Date:\_

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Bill To: SIDERTUL SA DE CV REC# SID930918KR0 AVENIDA PRESIDENTE MASARYK MEXICO CITY DF 11570 MX

Ship To: 7 SIDERTUL SA DE CV 402 GRAND CENTRAL BLVD MILO DISTRIBUTION CENTER LAREDO 78045 US

Order Date:06/17/2011 PO No:4500012651 Mill Order No:3899423 Load No:1396619 Manifest No:2093425

CERTIFIED MATERIAL TEST REPORT GERDAU AMERISTEEL

Midlothian Mill 300 Ward Road GERDAU AMERISTEEL

Midlothian, TX 76065 (972)775-8241

SIZE

W 18 X 65# / W460 X 97

GRADE 992/572-50

LENGTH 40 FT / 12.192 M

PRODUCT WF BEAMS

Bend Test Dia. Result

SPECIFICATIONS

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

HEAT NO: 2259983M

C .09 .83 .011 .027

Si Cu .22 .34

.10

Cr Mo .10 .031

Sn .011 .002

CHEMICAL ANALYSIS

Al CE .003 .020

.28

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation		
KSI	MPa	KSI	MPa	Sq In	Sq cm	8	Gage Ler	igth
52.9	364.7	70.6	486.8	1.042	6.72	26.5	8 In	200 mm
53.7	370.2	71.5	493.0	1.061	6.85	25.6	8 Tn	200 mm

TENSILE TEST RATIOS

YLD/TENS

.75

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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Date:

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