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All The Time.

CERTIFIED MILL TEST REPORT

LOG NO. F0000000014683

Page 1 of 7

BONNEY FORGE CORPORATION

P.O. BOX 330 • 14496 CROGHAN PIKE • MOUNT UNION, PA 17066-0330

(814) 542-2545 • (800) 345-7546 • FAX (814) 542-4906

www.bonneyforge.com

CUSTOMER: PLESA ANAHUAC Y CIAS., S.A. DE C.V.

DATE 05/18/2011

**CUSTOMER
ORDER NO.:** 10419

BONNEY ORDER NO. B000096229

SHIP TO: AMERICA DISPATCH
302 QUIVIRA DR.
INDUSTRIAL PARK
LAREDO TX 78043
United States

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
1	50	58172	1 3000 HOT-DIP 45EL T SA/A105 Al 0.023 C 0.200 Cb 0.000 Co 0.004 Cr 0.030 Cu 0.050 Mn 1.030 Mo 0.010 N 0.005 Nb 0.014 Ni 0.020 P 0.006 S 0.017 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 79,375 Y/S(PSI) 51,250 EL(%) 29.80 RA(%) 64.20 Brinell 156 BHN 150 BHN
2	20	58008	3/4 3000 HOT-DIP 45EL T SA/A105 Al 0.025 C 0.200 Cb 0.000 Co 0.002 Cr 0.040 Cu 0.100 Mn 1.000 Mo 0.000 Nb 0.015 Ni 0.020 P 0.007 S 0.023 Si 0.210 Sn 0.010 V 0.003 CE(Long Formula) = 0.38 T/S(PSI) 77,500 Y/S(PSI) 49,375 EL(%) 31.80 RA(%) 61.80 Brinell 147 BHN 147 BHN
3	50	58125 QAA	1 1/2 3000 HOT-DIP 90EL T SA/A105 Al 0.022 C 0.200 Cb 0.000 Co 0.004 Cr 0.050 Cu 0.130 Mn 0.970 Mo 0.010 N 0.005 Nb 0.014 Ni 0.040 P 0.007 S 0.020 Si 0.180 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 76,875 Y/S(PSI) 48,750 EL(%) 30.55 RA(%) 61.05 Brinell 147 BHN 147 BHN
4	50	58330 QAA	1/2 3000 HOT-DIP 90EL T SA/A105 Al 0.018 C 0.190 Co 0.003 Cr 0.030 Cu 0.140 Mn 1.010 Mo 0.010 N 0.006 Nb 0.014 Ni 0.040 P 0.008 S 0.016 Si 0.220 V 0.004 CE(Long Formula) = 0.38 T/S(PSI) 78,750 Y/S(PSI) 47,500 EL(%) 28.40 RA(%) 63.00 Brinell 156 BHN 159 BHN

We certify that the data on this sheet is a true copy taken from our records of material furnished us by the production mill, or as obtained by additional laboratory checks.

by Meloney Specht

Meloney Specht
QUALITY PROCESS MANAGER

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
6	100	58254	1 3000 A105 90EL T	SA/A105 Al 0.023 C 0.200 Cb 0.000 Co 0.004 Cr 0.040 Cu 0.220 Mn 1.010 Mo 0.010 N 0.006 Nb 0.015 Ni 0.050 P 0.015 S 0.017 Si 0.200 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 78,375 Y/S(PSI) 48,750 EL(%) 30.15 RA(%) 63.00 Brinell 156 BHN 153 BHN
		58314	1 3000 A105 90EL T	SA/A105 Al 0.024 C 0.190 Co 0.004 Cr 0.030 Cu 0.200 Mn 1.000 Mo 0.010 N 0.007 Nb 0.014 Ni 0.050 P 0.008 S 0.018 Si 0.200 V 0.003 CE(Long Formula) = 0.38 T/S(PSI) 76,250 Y/S(PSI) 53,750 EL(%) 28.95 RA(%) 65.40 Brinell 141 BHN 141 BHN
7	200	58288	3/4 3000 A105 90EL T	SA/A105 Al 0.022 C 0.190 Co 0.005 Cr 0.040 Cu 0.210 Mn 1.050 Mo 0.010 N 0.005 Nb 0.015 Ni 0.060 P 0.007 S 0.019 Si 0.200 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 76,250 Y/S(PSI) 51,250 EL(%) 30.20 RA(%) 65.85 Brinell 147 BHN 144 BHN
8	20	58255 QAA	2 X 2 X 1 3M HOT-DIP TEE T	SA/A105 Al 0.022 C 0.200 Cb 0.000 Co 0.003 Cr 0.040 Cu 0.120 Mn 1.020 Mo 0.010 N 0.006 Nb 0.015 Ni 0.040 P 0.009 S 0.020 Si 0.190 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 80,000 Y/S(PSI) 47,500 EL(%) 29.20 RA(%) 60.05 Brinell 162 BHN 159 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
9	9	58321	1 3000 A105 TEE T SA/A105 Al 0.022 C 0.200 Co 0.003 Cr 0.030 Cu 0.180 Mn 1.010 Mo 0.010 N 0.004 Nb 0.012 Ni 0.040 P 0.007 S 0.019 Si 0.190 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 76,875 Y/S(PSI) 52,500 EL(%) 28.45 RA(%) 62.55 Brinell 139 BHN 137 BHN
10	19	58164	1 X1 X 1/2 3000 A105 TEE T SA/A105 Al 0.024 C 0.200 Co 0.003 Cr 0.030 Cu 0.080 Mn 1.050 Mo 0.000 N 0.004 Nb 0.015 Ni 0.020 P 0.006 S 0.020 Si 0.210 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 78,125 Y/S(PSI) 50,000 EL(%) 31.05 RA(%) 63.25 Brinell 141 BHN 141 BHN
11	10	58244	11/2X11/2X 3/4 3M A105 TEE S SA/A105 Al 0.022 C 0.180 Co 0.004 Cr 0.030 Cu 0.130 Mn 1.030 Mo 0.010 N 0.005 Ni 0.040 P 0.010 S 0.019 Si 0.180 V 0.004 CE(Long Formula) = 0.37 T/S(PSI) 76,875 Y/S(PSI) 47,500 EL(%) 31.20 RA(%) 64.45 Brinell 153 BHN 150 BHN
12	10	58259	1 X1 X 3/4 3000 A105 TEE S SA/A105 Al 0.022 C 0.190 Cb 0.000 Co 0.004 Cr 0.040 Cu 0.100 Mn 1.020 Mo 0.010 N 0.005 Nb 0.012 Ni 0.040 P 0.007 S 0.016 Si 0.180 V 0.004 CE(Long Formula) = 0.38 T/S(PSI) 83,750 Y/S(PSI) 51,250 EL(%) 30.00 RA(%) 63.25 Brinell 159 BHN 165 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
13	10	58095	2 X2 X 1 1/2 3000 A105 TEE S	SA/A105 Al 0.027 C 0.200 Cb 0.000 Co 0.003 Cr 0.050 Cu 0.210 Mn 1.000 Mo 0.010 N 0.005 Nb 0.013 Ni 0.050 P 0.015 S 0.023 Si 0.200 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 78,750 Y/S(PSI) 49,375 EL(%) 30.35 RA(%) 61.80 Brinell .147 BHN 147 BHN
14	10	58129	1 1/2 6000 A105 TEE S	SA/A105 Al 0.026 C 0.200 Cb 0.000 Co 0.006 Cr 0.060 Cu 0.210 Mn 1.050 Mo 0.020 N 0.007 Nb 0.013 Ni 0.070 P 0.008 S 0.021 Si 0.190 V 0.004 CE(Long Formula) = 0.41 T/S(PSI) 79,545 Y/S(PSI) 49,874 EL(%) 28.80 RA(%) 53.77 Brinell 153 BHN 147 BHN
15	10	58180	1/2 6000 A105 TEE S	SA/A105 Al 0.018 C 0.200 Cb 0.000 Co 0.004 Cr 0.030 Cu 0.100 Mn 1.040 Mo 0.010 N 0.006 Nb 0.012 Ni 0.040 P 0.008 S 0.019 Si 0.170 V 0.015 CE(Long Formula) = 0.39 T/S(PSI) 78,750 Y/S(PSI) 51,500 EL(%) 32.20 RA(%) 61.55 Brinell 162 BHN 162 BHN
16	50	58288	1 3000 A105 90EL S	SA/A105 Al 0.022 C 0.190 Co 0.005 Cr 0.040 Cu 0.210 Mn 1.050 Mo 0.010 N 0.005 Nb 0.015 Ni 0.060 P 0.007 S 0.019 Si 0.200 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 76,250 Y/S(PSI) 51,250 EL(%) 30.20 RA(%) 65.85 Brinell 147 BHN 144 BHN

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17	50	58196	11/2 3000 A105 90EL S	SA/A105	Al 0.022 C 0.200 Co 0.003 Cr 0.030 Cu 0.080 Mn 1.040 Mo 0.010 N 0.004 Nb 0.014 Ni 0.030 P 0.008 S 0.017 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 80,000 Y/S(PSI) 48,750 EL(%) 30.00 RA(%) 60.80 Brinell 147 BHN 150 BHN
		58028	11/2 3000 A105 90EL S	SA/A105	Al 0.026 C 0.200 Cb 0.000 Co 0.003 Cr 0.030 Cu 0.110 Mn 1.010 Mo 0.010 N 0.005 Nb 0.017 Ni 0.030 P 0.007 S 0.021 Si 0.220 Sn 0.010 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 77,500 Y/S(PSI) 48,750 EL(%) 30.30 RA(%) 61.05 Brinell 141 BHN 144 BHN
18	100	58330	3/4 3000 A105 90EL S	SA/A105	Al 0.018 C 0.190 Co 0.003 Cr 0.030 Cu 0.140 Mn 1.010 Mo 0.010 N 0.006 Nb 0.014 Ni 0.040 P 0.008 S 0.016 Si 0.220 V 0.004 CE(Long Formula) = 0.38 T/S(PSI) 78,750 Y/S(PSI) 47,500 EL(%) 28.40 RA(%) 63.00 Brinell 156 BHN 159 BHN
		58210	3/4 3000 A105 90EL S	SA/A105	Al 0.025 C 0.200 Co 0.004 Cr 0.090 Cu 0.170 Mn 0.990 Mo 0.010 N 0.004 Nb 0.013 Ni 0.040 P 0.014 S 0.017 Si 0.200 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 78,125 Y/S(PSI) 47,500 EL(%) 31.20 RA(%) 62.50 Brinell 150 BHN 150 BHN

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			CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:	
19	50	58175	1/2 3000 A105 45EL S	SA/A105
Al 0.021 C 0.200 Cb 0.000 Co 0.004 Cr 0.030 Cu 0.120 Mn 1.090 Mo 0.010 N 0.004 Nb 0.014 Ni 0.030 P 0.007 S 0.023 Si 0.180 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 76,250 Y/S(PSI) 51,875 EL(%) 30.15 RA(%) 57.50 Brinell 150 BHN 144 BHN				
20	10	58110	1/2 6000 A105 90EL S	SA/A105
Al 0.022 C 0.200 Cb 0.000 Co 0.005 Cr 0.050 Cu 0.110 Mn 1.020 Mo 0.010 N 0.004 Nb 0.014 Ni 0.040 P 0.008 S 0.019 Si 0.210 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 77,500 Y/S(PSI) 48,750 EL(%) 30.90 RA(%) 61.80 Brinell 147 BHN 153 BHN				
21	50	58310	11/4 3000 A105 45EL T	SA/A105
Al 0.024 C 0.200 Co 0.004 Cr 0.050 Cu 0.200 Mn 1.030 Mo 0.010 N 0.005 Nb 0.013 Ni 0.050 P 0.009 S 0.017 Si 0.190 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 78,375 Y/S(PSI) 53,000 EL(%) 30.00 RA(%) 61.55 Brinell 147 BHN 144 BHN				

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ITEM QUANTITY LOT NO.

**GRADE OR SPECIFICATION NO.
CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:**

1. THE FITTINGS SUPPLIED ARE IN ACCORDANCE WITH PURCHASE ORDER SPECIFICATIONS.
2. THE MATERIAL SUPPLIED MEETS THE REQUIREMENTS OF NACE MRO175/ISO 15156-2.
3. CERTIFYING ASTM A105-09 / ASME SA105-07 EDITION.
4. THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH EN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT. (EUROPEAN STANDARD)
5. THE UNIT OF MEASURE FOR TENSILE AND YIELD (0.2%) STRENGTH ARE IN REPORTED IN PSI.
6. ELONGATION TEST RESULTS ARE OBTAINED USING STANDARD ROUND SPECIMEN, 2 INCH OR 50 MM GAGE LENGTH.

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