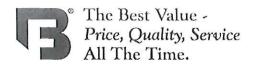
#58426 6" 3000# THID TEE CERTIFIED MILL TEST REPORT



LOG NO. F00000000021432

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

BONNEY ORDER NO. B000106952

www.bonneyforge.com

CUSTOMER: MRC MIDFIELD

DATE 11/15/2011

CUSTOMER

ORDER NO.: \$759130595

SHIP TO: MRC MIDFIELD

502-25 AVENUE

NISKU AB T9E 0K6

Canada

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
113	75	58461	2 6000 A105N TEE T SA/A105N
18C12931			A1 0.025 C 0.170 Cb 0.001 Co 0.006 Cr 0.130 Cu 0.180 Mn 1.080 Mo 0.040 N 0.011 Ni 0.070 P 0.009 S 0.025 Si 0.280 V 0.034 CE(Long Formula) = 0.41 T/S(PSI) 73,750 Y/S(PSI) 52,250 EL(%) 35.05 RA(%) 65.15 Brinell 132 BHN 132 BHN
113 18C12931	15	58461	2 6000 A105N TEE T SA/A105N A1 0.025 C 0.170 Cb 0.001 Co 0.006 Cr 0.130 Cu 0.180 Mn 1.080 Mo 0.040
10012731			N 0.011 Ni 0.070 P 0.009 S 0.025 Si 0.280 V 0.034 CE(Long Formula) = 0.41 T/S(PSI) 73,750 Y/S(PSI) 52,250 EL(%) 35.05 RA(%) 65.15 Brinell 132 BHN 132 BHN
127	250	58426	8 -3 X 1/2 3000 A105N THRD T SA/A105N
181C13243			C 0.200 Cb 0.000 Co 0.003 Cr 0.050 Cu 0.110 Mn 1.020 Mo 0.010 Ni 0.040 P 0.009 S 0.019 Si 0.180 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 76,250 Y/S(PSI) 51,875 EL(%) 30.80 RA(%) 63.95 Brinell 139 BHN 137 BHN
136 18C13309	425	58490	5-4X1 3M A105N THRD T SA/A105N Al 0.027 C 0.200 Co 0.002 Cr 0.040 Cu 0.070 Mn 1.040 Mo 0.000 N 0.003 Nb 0.015 Ni 0.020 P 0.008 S 0.021 Si 0.200 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 71,875 Y/S(PSI) 48,750 EL(%) 34.30 RA(%) 64.45 Brinell 132 BHN 132 BHN

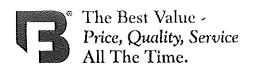
We certify that the data on this sheet is a true copy taken from our records of material furnished us by the production mill, or as obtained by additional laboratory checks.

Meloney Specht

QUALITY PROCESS MANAGER

CMTR: REV2

CERTIFIED MILL TEST REPORT



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DATE 11/15/2011

BONNEY ORDER NO. B000106952

CUSTOMER: MRC MIDFIELD

CUSTOMER

ORDER NO.: \$759130595

SHIP TO: MRC MIDFIELD

502-25 AVENUE NISKU AB T9E 0K6

Canada

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. CERTIFYING TO ASTM A350 LF2 07 REVISION.
- 3. THE MATERIAL SUPPLIED MEETS THE REQUIREMENTS OF NACE MR0175/ISO 15156-2.
- 4. THE MATERIAL OF THE FITTINGS SUPPLIED IS ASTM A350-LF2 BUT MEETS THE REQUIREMENTS OF ASME SA350-LF2.
- 5. THE CHARPY V-NOTCH IMPACT TEST WAS PERFORMED AT -50 DEGREES FAHRENHEIT IN ACCORDANCE WITH A350-LF2.
- 6. THE MATERIAL SUPPLIED AS A350 LF2 CL1 MEETS THE REQUIREMENTS OF BOTH NACE MRO103-2007 AND NACE MRO175/ISO 15156-2.
- 7. THE MATERIAL SUPPLIED WAS NORMALIZED IN ACCORDANCE WITH ASTM A350 HEAT TREATING REQUIREMENTS.
- THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH EN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT. (EUROPEAN STANDARD)
- 9. THE UNIT OF MEASURE FOR TENSILE AND YIELD (0.2%) STRENGTH ARE IN REPORTED IN PSI.
- 10. ELONGATION TEST RESULTS ARE OBTAINED USING STANDARD ROUND SPECIMEN, 2 INCH OR 50 MM GAGE LENGTH.

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

QUALITY PROCESS MANAGER

Meloney Specht

CMTR: REV2