



Manufacturer of Piping and Pressure Vessel Components

4404 Haygood St - Houston, TX 77022

Phone: 713-695-3633 Fax: 713-695-3528

A Bonney Forge Company

This product has not come in direct contact with mercury or any of its compounds, nor with any mercury-containing device employing a single boundary of containment. No welding performed.

We certify that the contents of this report are correct and accurate, and that all test results and operations performed by WFI or its subcontractors are in compliance with the material specification and requirements of the referenced code or standard, and that the material conforms to the dimensional requirements of the order. This document is in accordance with EN10204 3.1.

Material: A/SA105N 14

Item	Quantity	Description
11	211	36 - 1 1/2 X 3/4 3M SWP A/SA105N

Chemical Composition

Ladle	C	Co	Cr	Cu	Mn	Mo	Nb	Ni
	0.2000	0.002	0.04	0.02	1.050	0.002	0.015	0.010
	P	S	Si	V				
	0.003	0.021	0.240	0.003				

Carbon Equivalency: Ladle 0.39

Product	Tensile PSI	Yield PSI	Elong %	RA %	Hardness
	72,166	45,703	36.25	64.71	135 BHN

135 BHN

MILL/COUNTRY OF ORIGIN: ARCELORMITTAL (CANADA) - HEAT#D117738/BONNEY
FORGE (USA) - LOT#50202

NORMALIZED

1. IN ACCORDANCE WITH ANSI/NACE MR0175 / ISO 15156-2015

Page 1 of 1

Sold To: TRANS AM PIPING
PRODUCTS LTD
1711 - 66TH AVENUE
EDMONTON AB T6P 1Y9

MTR #: 331,588

PO #: CI-17-537

Sales Order #: C001707442

Date: 08/15/2017

Certified Material Test Report

Heat Code: 50202

Marie Dehmer

Quality Assurance Representative