



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 11

Item	Quantity	Description
16	49	36 - 1 1/2 X 3/4 3M SWP A/SA105N
19	164	36 - 1 1/2 X 3/4 3M SWP A/SA105N
20	71	36 - 1 1/2 X 3/4 3M SWP A/SA105N

Chemical Composition

Ladle	C	CR	CU	MN	MO	NB	NI	P
	0.200	0.05	0.04	1.02	0.008	0.011	0.02	0.007
	S	SI	V					
	0.019	0.19	0.003					
Carbon Equivalency:	Ladle			0.39				

Product	Tensile PSI	Yield PSI	Elong %	RA %	Hardness	
	73,262	51,236	35.00	63.71	135 BHN	135 BHN

Normalized

1. IN ACCORDANCE WITH NACE MR0175 / ISO 15156-2009

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

MTR #: 283,068

PO #: PI-14-35110

Sales Order #: C001412630

Date: 09/09/2014

Certified Material Test Report

Heat Code: 59537

Marie Dehmer

Quality Assurance Representative