



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	Description
7	36 - 1 1/2 X 3/4 3M SWP A/SA105N

Chemical Composition

Ladle	C	CR	CU	MN	MO	NB	NI	P
	0.220	0.05	0.03	1.05	0.005	0.012	0.02	0.005
	S	SI	V					
	0.015	0.25	0.003					

Carbon Equivalency: Ladle 0.41

	Tensile PSI	Yield PSI	Elong %	RA %	Hardness	
Product	75,874	53,358	36.35	60.63	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
 9335 ENDEAVOR DRIVE S.E.
 CALGARY AB T3S 0A1

MTR #: 284,436

PO #: CI-14-539

Sales Order #: C001413977

Date: 09/30/2014

Certified Material Test Report

Heat Code: 59587