



# Phoenix \* Capitol \* Camco CapProducts

## Certified Material Test Report

**Heat Code:** 773J    **Heat No:** 188438  
**Item:** 46200020: 2 XH WPB BULL PLUG

**Material:** ASTM A234-2014 WPB / ASME SA234-2015 Edition

### Chemistry Properties

C	Mn	P	S	Si	Cu	Cr
0.2000	0.9300	0.0070	0.0230	0.2200	0.1900	0.1300
Ni	Mo	V	Co	Al	Cb	N
0.0800	0.0310	0.0350		0.0030	0.0020	
Pb	Sn	Ta	Ti	C Eq. Long		
				0.4122		

### Additional Chemical Properties


### Mechanical Properties

Tensile(PSI)	Yield(PSI)	Elong.% in 2in.or 4D	Reduction	HBW
82800	58000	28%	61	162

### Charpy Minimum Impact - ft/lbs ----- Fracture Appearance - ft/lbs

Test 1	Test 2	Test 3	Avg.	Test Temp.	Test Size	Test 1	Test 2	Test 3	Avg.

We hereby certify that these parts were manufactured, sampled, tested, and inspected in accordance with the product specifications and were found to meet the requirements. This document is according to EN 10204 Inspection Certificate 3.1. These products meet the requirements of the latest editions of NACE MR0175/ISO 15156 and NACE MR0103.1. No testing has been performed on these products. This material was not exposed to mercury or any other metal alloy that is liquid at the temperatures during processing or while in our possession.

Manufactured in the USA.