



**Capitol Manufacturing**  
1125 Capitol Avenue  
Crowley, LA 70526

**Phoenix \* Capitol \* Camco**  
**CapProducts**

**Certified Material Test Report**

Commanding a Higher Standard<sup>sm</sup>

Printed: 11/30/2022

Certified: 10/17/2022

**Customer**  
GORCO INCORPORATED  
PO BOX 3913  
HOUMA, LA 70361

**P.O.** 112922-1010  
**Tag**

**Material**  
ASTM A234-2019 WPB / ASME SA234-2021 Edition

**Heat No** 78YE  
**Heat Code** 78YE  
**Phoenix Order #** 1738965

**Part Number**  
46200040

**Description**  
4 XH WPB BULL PLUG

**Chemical Properties**

C	Mn	P	S	Si	Cu	Ni	Cr	C Eq. Long	
0.1690	0.6100	0.0100	0.0050	0.2600	0.1000	0.0500	0.1100	0.3069	
Mo	V	Co	Al	Nb	N	Pb	Sn	Ta	Ti
0.0200	0.0013			0.0160					

**Additional Chemical Properties**

					CE CSA		Cr + Cu + Ni		
					N/A		0.2600		

**Mechanical Properties**

Tensile (PSI)	Yield (PSI)	Elong. % in 2 in. or 4D	R of A %	HBW	HBW2
66562	45370	36.5			

**Charpy Minimum Impact - ft/lbs**

**Fracture Appearance - %**

Test 1	Test 2	Test 3	Average	Test Temp.	Test Size	Test 1	Test 2	Test 3	Average

We hereby certify that these parts were manufactured, sampled, tested, and inspected in accordance with the product specifications stated and were found to meet the requirements.

This document is according to EN 10204 Inspection Certificate 3.1 requirements.

These products meet the requirements of the latest editions of NACE MR0175/ISO 15156 and NACE MR0103. No weld repair has been performed on these products. This material was not exposed to mercury or any other metal alloy that is liquid at ambient temperatures during processing or while in our possession.

Manufactured in the USA.