

ALAMEDAS 66-0

PLESA ANAHUAC Y CIAS

SA DE CV AV. VALLE DE LAS

## **Material Test Report**

Heat Code: нрн

An Ameri-Forge Group Company 13770 Industrial Rd. Houston, TX 77015 Sales: (713) 868-4421 Fax: (713) 455-8366

Qty Shipped: 19

ISO 9001:2008 Certified

Line: 10 Sales Order: 89436

Item Code: 0151800102-0020F

Item Desc: FLG 08.00 0150 WN RF XH

Supplier Heat: 3016806 Supplier: CMC 54940 TULTITLAN, EDO, MEX

Spec: ASTM A105/A105M-(10)/ASME SA 105/SA 105M-(08a) Section II Part A

PO: 9216

Eleme	ent (%wt)	Ladie	Product	EPCRA CAS#	Element (%wt)	Ladle	Product EPCRA CAS#
С	Carbon	0.20			Cr Chromium	0.04	✓ 7440-47-3
Mn	Manganese	1.04		√ 7439-96-5	Mo Molybdenum	0.02	
P	Phosphorous	0.006			V Vanadium	0.004	
s	Sulphur	0.023			Cb Columbium	0.001	
Si	Silicon	0.24			C.E.	0.41	
Cu	Copper	0.22		✓ 7440-50-8	CuNiCrMo	0.373	
Ni	Nickel	0.09		✓ 7440-02-0	CrMo	0.063	
		Mechanica	l Testing			Othe	
Test	Lab		AFC	;	MILL		CMC-TEXAS
	Bar Size		Tes	st Piece	мнс		3016806
HBW		163 - 163			EF		Υ

Test Lab	AFG	MILL	CMC-TEXAS
Test Bar Size	Test Piece	мнс	3016806
нвм	163 - 163	EF	Y
Elg (%)	30.0	Fully Killed	Y
RA (%)	57.0		
Tensile Specimen Size (in)	. 495		
Tensile (ksi)	78.4		
Yield (ksi)	45.9		
Gauge Length	2		
}		}	
		3	

No Weld repair performed. Chemical Analysis results shown are actual. Forgings are capable of passing hydrostatic test compatible with the appropriate rating. Elongation taken from a round specimen. All material supplied under this order is certified to be free of mercury contamination and no mercury bearing equipment was used in manufacturing, fabrication or testing. Yield strength was determined using the 0.2% offset method. No weld repair performed on this product.

Product compliant with and meets all requirements of ASTM A105/

EPCRA Supplier Notification: This product may contain one or more toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (Title III of the Superfund Amendments and Reauthorization Act of 1986) and 40 C.F.R. Part 372. Potentially reportable chemicals are indicated with a checkmark in the "EPCRA" column and a Chemical Abstract Services (CAS) registry number is provided for each such chemical in addition to the percent by weight of the chemical present in this product. It is your responsibility alone to determine whether your facility is required to submit a Toxic Release Inventory Report under EPCRÁ Section 313.

Certification No.:

193008

Certification Date:

10/25/2010

Nicholas Tepovich - Metallurgic Lab Manager

This report is issued in compliance with the requirements of EN10204 3.1 / ISO 10474 3.1.b