

## **Material Test Report**

Heat Code: HXL

An Ameri-Forge Group Company 13770 Industrial Rd. Houston, TX 77015

ISO 9001:2008 Certified

Sales: (713) 868-4421 Fax: (713) 455-8366

PLESA ANAHUAC Y CIAS SA DE CV AV. VALLE DE LAS ALAMEDAS 66-0 
 PO:
 9216
 Sales Order:
 89436
 Line:
 5

 Item Code:
 0152800100-0020F
 Qty Shipped:
 100

Item Desc: FLG 08.00 0150 SO RF

54940 TULTITLAN, EDO, MEX Supplier: CMC Supplier Heat: 3018926

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

•		0.19	 v -	7439-96-5	:	Chromium	0.08		<del>√</del> 7.	440-47-3
P Phosp			/	7420-06-6	:					
•	horous			433-30-0	: Mo	Molybdenur	m 0.02			
		0.009			v	Vanadium	0.002	<u>}</u>		
S Sulph	ur	0.014			: Сь	Columbium	0.001	L		
Si Silic	on	0.22			C.E.		0.40			
Cu Coppe	r	0.19	✓ 7	440-50-8	CuNiC	CrMo	0.361	L		
Ni Nicke	1	0.07	1	440-02-0	CrMo		0.101	L		

Mechanical T	esting	:	Other
Test Lab	AFG	WILL	CMC-TEXAS
Test Bar Size	Test Piece	мнс	3018926
HBW	163 - 163	EF	Y
Elg (%)	32.0	Fully Killed	Y
RA (%)	62.0		
Tensile Specimen Size (in)	.493		
Tensile (ksi)	79.7		
Yield (ksi)	45.2		
Gauge Length	2		
		:	
		:	
		:	

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 atone to determine whether your facility is required to submit a Toxic Release Inventory Report under EPCRA Section 313.

Certification No.:

193009

Certification Date:

10/25/2010

Nicholas Tepovich - Metallurgic Lab Manager