Material Test Report

Heat Code: JPZ

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

Line: 3

ISO 9001:2008 Certified

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

Sales Order: 95070

PLESA ANAHUAC Y CIAS SA DE CV AV. VALLE DE LAS ALAMEDAS 66-0

PO: 10492 Item Code: 0603200100-0021F

Qty Shipped: 20

Item Desc: FLG 02.00 0600 BL RF

Supplier Heat: 3023871

54940 TULTITLAN, EDO, MEX - Normalized Spec: ASTM A105/A105N-(10)/ASME SA 105/SA 105N-(08a) Section II Part A

Supplier: CMC

Elem	ent	(%wt)	Ladle	Product	EPCRA	CAS#	Eleme	nt	(%wt)	Ladle	Product	EPCR/	
C	Carbon		0.18				Ni N	ickel		0.08			7440-02-0
Mn	Mangan		1.13		1	7439-96-5	Cr o	hromiu	ım	0.13		✓	7440-47-3
P	Phosphorous		0.011				Mo M	o Molybdenum	0.023				
s	Sulphu		0.024			_	vv	anadi	ım	0.008			
Si	Silico		0.22				Cb c	olumb	ium	0.001			
Cu	Copper		0.23		✓ -	7440-50-8	C.E.			0.41			
	OUFF												
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Mechanical To	esting	Heat Treat					
Test Lab Test Bar Size HBW Elg (%) RA (%) Tensile Specimen Size (in) Tensile (ksi) Yield (ksi) Gauge Length	AFG Sacrificial Piece 159 - 159 32 61 .250 80.8 49.1	Norm. Temp. (F) Norm. (Hrs) Norm. Cooling Type Norm. Location	1675 4 AIR AFG ther CMC-TEXAS 3023871				

Product compliant with NACE MR0175 and NACE MR0103 latest edition and dimensions to ANSI B16.5. 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 welding performed.

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 EPCRA Section 313.

Certification No.:

210836

Certification Date:

6/16/2011

Nicholas Tepovich - Metallurgic Lab Manager

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