Coffer®

Material Test Report

Heat Code: GUH

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

ISO 9001:2000 Certified

 PLESA ANAHUAC Y CIAS
 PO: 6483
 Sales Order: 69802
 Line: 3

 SA DE CV AV. VALLE DE LAS
 Item Code: 0603300100-0021F
 Qty Shipped: 10

 ALAMEDAS 66-0
 Item Desc: FLG 03.00 0600 BL RF

 54940 TULTITLAN, EDO, MEX
 Supplier: CMC
 Supplier Heat: 3006370

Spec: ASTM A105/A105M-(05)/ASME SA 105/SA 105M-(08a) Section II Part A - Normalized

		Product	EPCRA	CAS#	Fieu	nent	(%wt)	Ladie	Product	EPCR	A CAS#
bon	0.19				Ni	Nickel		0.08		✓	7440-02-0
ganese	1.00		✓ 7	1439-96-5	Cr	Chromit	ım	0.09		✓	7440-47-3
sphorous	0.008				Мо	Molybde	enum	0.027			
phur	0.022				ν	Vanadiı	ım	0.004			
icon	0.18				СЪ	Columbi	ium	0.003			
per	0.22		✓ 7	7440-50-B							
					:						
	sphorous phur icon	sphorous 0.008 phur 0.022 icon 0.18	sphorous 0.008 Mo phur 0.022 V icon 0.18 Cb	sphorous 0.008 Mo Molybdo phur 0.022 V Vanadiv icon 0.18 Cb Columbs	sphorous 0.008 Mo Molybdenum phur 0.022 V Vanadium icon 0.18 Cb Columbium	sphorous 0.008 Mo Molybdenum 0.027 phur 0.022 V Vanadium 0.004 icon 0.18 Cb Columbium 0.003	sphorous 0.008 Mo Molybdenum 0.027 phur 0.022 V Vanadium 0.004 icon 0.18 Cb Columbium 0.003	games 1.00 7435 30 3 CL Calconatua 0.027 sphorous 0.008 Mo Molybdenum 0.027 phur 0.022 V Vanadium 0.004 icon 0.18 Cb Columbium 0.003			

Mechanical T	esting	Heat T	Heat Treat				
Test Lab	AFG	Norm, Temp. (F)	1675				
Test Bar Size	TP	Norm. (Hrs)	4				
HBW	146 - 146	Norm. Cooling Type	AIR				
Elg (%)	31.0	Norm. Location	AFG				
RA (%)	61.0						
Tensile Specimen Size (in)	.247	Othe	r				
Tensile (ksi)	76.8	MILL	CMC				
Yield (ksi)	46.2	мнс	3006370				
Gauge Length	1	EF	Y				
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Product compliant with NACE MR0175, 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.

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.:

166831

Certification Date:

5/28/2009

Nicholas Tepovich - Metallurgic Lab Manager

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