Coffer®

ALAMEDAS 66-0

PLESA ANAHUAC Y CIAS

SA DE CV AV. VALLE DE LAS

Material Test Report

Heat Code: AHA

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

ISO 9001:2000 Certified

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

PO: 5101 Sales Order: 66536 Line: 10

Item Code: 0151400102-0020F Qty Shipped: 35

Item Desc: FLG 04.00 0150 WN RF XH A105 NHT COFFR
Supplier: CMC Supplier Heat: 3000772

54940 TULTITLAN, EDO MEX Supplier: CMC Supplier Heat: 3000772

Elen	ent (%wt)	Ladle	Product	EPCRA	CAS#	Elen	ent	(%wt)	Ladle	Product	EPCR/	CAS#
С	Carbon	0.19				Cr	Chromi	um	0.09		1	7440-47-3
Mn	Manganese	0.92		V .	7439-96-5	Mo	Molybo	ienun	0.034			
P	Phosphorous	0.007				v	Vanadi	um	0.000			
S	Sulphur	0.014				Cb	Columb	nuic	0.002			
Si	Silicon	0.18				C.E.			0.392			
Cu	Coppez	0.25		1	7440-50-8	CuN	CrMo		0.48			
Ni	Nickel .	0.11		1	7440-02-0	CrMc	,		0.12			

Mechanic	al	Other						
Test Lab	AFG	EF		Y				
Test Bar Size	SACRIFICIAL PIECE							
HBW	152-152							
Elg (%)	31.0							
RA (%)	52.0							
Tensile Specimen Size (in)	0.247							
Tensile (ksi)	76.0							
Yield (ksi)	42.2							
Gauge Length	1.00							
		1						
		:						

Product compliant with NACE MR0175 / ISO 15156, latest edition and dimensions to ANSI B16.5 Product compliant with and meets all requirements of ASTM A105/ASME SA105, latest edition.

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 1985) 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.:

149800

Certification Date:

9/23/2008

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

Violadas Leparel

Nicholas Tepovich - Metallurgic Lab Manager