## Coffer®

## **Material Test Report**

Heat Code: CCT

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

Line: 9

ISO 9001:2000 Certified

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

PLESA ANAHUAC Y CIAS PO: 5526
SA DE CV AV. VALLE DE LAS Item Code:
ALAMEDAS 66-0 Item Desc:

54940 TULTITLAN, EDO MEX

PO: 5526 | Sales Order: 67635 | L Item Code: 0152300100-0020F | Qty Shipped: 30

 Item Desc:
 FLG 03.00 0150 SO RF
 A105 NHT COFFR

 Supplier:
 CMC
 Supplier Heat:
 3003661

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

C Carbon Mn Manganese P Phosphoro S Sulphur Si Silicon		,	7439-96-5	Cr Chromium  Mo Molybdenum  V Vanadium	0.07 0.024 0.002	√ 7440-47-
P Phosphoro S Sulphur	us 0.010	,	7439-96-5			
S Sulphur				V Vanadium	0.002	
-	0.015				0.002	
Si Silicon	0.010			Cb Columbium	0.003	
	0.21			C.E.	0.393	
Cu Copper	0.25	•	7440-50-8	CuNiCrMo	0.43	
Ni Nickel	0.09	,	7440-02-0	CrMo	0.09	

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Mechanic	al
Test Lab	AFG
Test Bar Size	SACRIFICIAL PIECE
HBW	149-149
Elg (%)	36.0
RA (%)	62.0
Tensile Specimen Size (in)	0.249
Tensile (ksi)	75.5
Yield (ksi)	49.0
Gauge Length	1.00

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 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.:

155506

Certification Date:

12/10/2008

l.b

Nicholas Tepovich - Metallurgic Lab Manager

Violadas Tepare

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