

Material Test Report

Heat Code: AXL

An Ameri-Forge Group Company

ISO 9001:2000 Certified

13770 Industrial Rd., Houston, TX 77015

PLESA ANAHUAC Y CIAS

SA DE CV AV. VALLE DE LAS ALAMEDAS 66-0

54940 TULTITLAN, EDO MEX

Sales: (713) 868-4421 Fax: (713) 455-8366 PO: 4540 Sales Order: 64906 Line: 1 Item Code: 0152300100-0020F

Qty Shipped: 100 Item Desc: FLG 03.00 0150 SO RF

A105 NHT COFFR Supplier: CMC Supplier Heat: 3002785,

Spec: ASME SA-105/SA-105M 2004 Section II/ASTM A105/A105M-03

Eler	nent (%wt)	Ladie	Product	EPCR	A CAS#	Element	(%wt)	Ledle	Product	EPCRA	CAS#
C	Carbon	0.21				:Cr Chrom		0.14	Fionact		
Mn	Manganese	0.94		1	7439-96-5	No Molyb		0.025		'	440-47-3
P	Phosphorous	0.016				V Vanad		0.002			
S	Sulphur	0.018				Cb Columi		0.002			
Si	Silicon	0.21				C.E.	D'E CHI	0.422			
Cu	Copper	0.24		1	7440-50-8	CuNiCrMo		0.422			
NÍ	Nickol	0.09		1	7440-02-0	CrMo		0.16			

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Mechanic			1, 37		
Test Lab	AFG	Country of Origin		USA (US)	
Test Bar Size HBW	SACRIFICIAL PIECE	EF		Y	
Elg (%)	167-167				
RA (%)	32.0 64.0				
Tensile Specimen Size (in)	0.245				
Tensile (ksi)	82.1				
Yield (ksi)	46.4				
Gauge Length	1.00				
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				10,1	
					'

Product compliant with DIMS. to ANSI B16.5

Product compliant with NACE MRO175, latest edition

Product compliant with and meets all requirements of ASTM A105/ASME SA105-05.

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. Parl 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.:

143842

Certification Date:

6/18/2008

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

Puneet Saggar - Plant Metallurgist