

Material Test Report

Heat Code: XSZ

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

NHT COFFR

ISO 9001:2000 Certified

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

PLESA ANAHUAC Y CIAS

SA DE CV AV. VALLE DE LAS

ALAMEDAS 66-0 54940 TULTITLAN, EDO MEX PO: 3050

Sales Order: 60057

Line: 14

Item Code: 0301300101-0020F

Qty Shipped: 280

Item Desc: FLG 03.00 0300 WN RF STD A105

Supplier Heat: 255251

Spec: ASTM A 105/A 105M-03/ASME SA 105/SA 105M-04, Melt Practice EF

Supplier: CMC

Eleme	ent (%wt)	Ladle	Product	EPCR	RA CAS#	Element	(%wt)	Ladle	Product	EPCRA	CAS#
C	Carbon	0.21				Cr Chrom	ium	0.09		√ 7.	440-47-3
Mn i	Manganese	0.89		\checkmark	7439-96-5	Mo Molyb	denum	0.015			
P	Phosphorous	0.006				. V Vanad	ium	0.002			
S	Sulphur	0.019				Cb Colum	bium	0.002			
Si s	Silicon	0.19				C.E.		0.402400	0		
Cu	Copper	0.27		✓	7440-50-8	CuNiCrMo		0.44			
Ni 1	Nickel	0.07		✓	7440-02-0	CrMo		0.10			

Mechan	nical	Other					
Test Lab	AFG	Country of Origin	USA (US)				
Test Bar Size	SACRIFICIAL PIECE	EF	Y				
HBW	167-167						
Elg (%)	31.0						
RA (%)	64.0						
Tensile Specimen Size (in)	0.251						
Tensile (ksi)	76.6						
Yield (ksi)	41.4						
Gauge Length	1.00						

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. 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.:

119653

Certification Date:

6/14/2007

N. 8 (DO)

Kevin Papich - Tech. Svcs. Manager