

## **Material Test Report**

Heat Code: YNS

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

54940 TULTITLAN, EDO MEX

ALAMEDAS 66-0

PO: 3050

Sales Order: 60057 Line: 20

A105

Qty Shipped: 45 Item Code: 0301800102-0020F

Item Desc: FLG 08.00 0300 WN RF XH Supplier Heat: 256250 Supplier: CMC

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

Element	(%wt)	Ladle	Product	EPCR	A CAS#	Elem	ent	(%wt)	Ladle	Product	EPCRA	CAS#
C Ca:	rbon	0.21				Cr	Chromi	ium	0.16		✓ 7	440-47-3
Mn Mai	nganese	0.90		✓	7439-96-5	Mo	Molybo	denum	0.026			
P Pho	osphorous	0.017				V	Vanadi	ium	0.003			
S Su	lphur	0.011				Cb	Columb	oium	0.002			
Si si	licon	0.21				C.E.			0.422			
Cu Co	pper	0.26		✓	7440-50-8	CuNi	CrMo		0.55			
Ni Ni	ckel	0.10		✓	7440-02-0	: CrMc	)		0.19			
						:						

Mechanic	al	Other					
est Lab	AFG	Country of Origin	USA (US)				
est Bar Size	SACRIFICIAL PIECE	EF	Y				
BW .	170-174						
lg (%)	32.0						
A. (%)	60.0						
ensile Specimen Size (in)	0.502						
ensile (ksi)	81.7						
ield (ksi)	48.0						
auge Length	2.00						

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.:

119661

Certification Date: 6/14/2007

Kevin Papich - Tech. Svcs. Manager