

Material Test Report

Heat Code: zxs

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

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

PO: 5177 | Sales Order: 66675 | Line: 13 | Item Code: 0603800100-0021F | Qty Shipped: 15

Item Desc: FLG 08.00 0600 BL RF A105 NRM COFFR

54940 TULTITLAN, EDO MEX Supplier: CMC Supplier Heat: 261973

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

Elen	nent (%wt)	Ladle	Product	EPCRA	CAS#	Element	(%wt)	Ladle	Product	EPCR.	A CAS#
C	Carbon	0.19				Ni Nick	el	0.11		. 🗸	7440-02-0
Mn	Manganese	0.89		√ 743	9-96-5	Cr Chro	mium	0.17		✓	7440-47-3
P	Phosphorous	0.011				Mo Moly	bdenum	0.031			
S	Sulphur	0.019				V Vana	dium	0.001			
Si	Silicon	0.190				Cb Colu	mbium	0.002			
Cu	Copper	0.24		√ 744	0-50-8	C.E.		0.40			
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Mechanic	al	Heat Treat			
Test Lab	AFG	Norm. Temp. (F)	1675		
Test Bar Size	SACRIFICIAL PIECE	Norm. (Hrs)	4.0		
HBW	156-156	Norm. Cooling Type	AIR		
Elg (%)	29.0	Norm. Location	AFG		
RA (%)	51.0				
Tensile Specimen Size (in)	0.497	0	ther		
Tensile (ksi)	74.6	Country of Origin	USA (US)		
Yield (ksi)	44.6	EF	Y		
Gauge Length	2.00				
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		:			

Product compliant with NACE MR0175, latest edition and dimensions to ANSI B16.5

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.:

154946

Certification Date:

12/1/2008

Nicholas Tepovich - Metallurgic Lab Manager