

Material Test Report

Heat Code: JAE

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

ISO 9001:2008 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: 10492

Sales Order: 95070

Line: 11

Item Code: 0302600100-0020F

Qty Shipped: 20

Item Desc: FLG 06.00 0300 SO RF

Supplier: CMC

Supplier Heat: 3019616

Spec: ASTM A105/A105M-(10)/ASME SA 105/SA 105M-(08a) Section II Part A

Man Ma	rbon	0.19	W. Charles			Cr Chromium	0.06	./ .	7440 47 7
	nganese	1 00				• CI CHIDMIUM	0.00		7440-47-3
and the second s		1.09		1	7439-96-5	Mo Molybdenum	0.02		
Pho Pho	osphorous	0.009				V Vanadium	0.002		
3 Su	lphur	0.024				Cb Columbium	0.001		
Si Si	licon	0.21				C.E.	0.41		
Cu Cor	pper	0.02		1	7440-50-8	CuNiCrMo	0.366		
Vi Nic	ckel	0.08		1	7440-02-0	CrMo	0.076		

Mechanical T	esting		Other				
Test Lab	AFG	MILL	CMC				
Test Bar Size	TEST PIECE	мнс	3019616				
нвш	156 - 156	EF	Y				
Elg (%)	32,0	Fully Killed	Y				
RA (%)	58.0						
Tensile Specimen Size (in)	.252						
Tensile (ksi)	81.1	•					
Yield (ksi)	47.3	:					
Gauge Length	1						
		1					
		:					

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. No weld repair performed on this product.

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

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.:

207628

Certification Date:

5/11/2011

Nicholas Tepovich - Metallurgic Lab Manager

Nie alexander Legare