

Material Test Report

Heat Code: JSW

An Ameri-Forge Group Company 13770 Industrial Rd. Houston, TX 77015 Sales: (713) 868-4421 Fax: (713) 455-8366

ISO 9001:2008 Certified

PLESA ANAHUAC Y CIAS

SA DE CV AV. VALLE DE LAS

ALAMEDAS 66-0 54940 TULTITLAN, EDO, MEX

Line: 3 Sales Order: 97054 PO: 10734

Qty Shipped: 100 Item Code: 0152600100-0020F

Item Desc: FLG 06.00 0150 SO RF

Supplier Heat: 3023959 Supplier: CMC

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

Elen	nent (%wt)	Ladle	Product	EPCR.	A CAS#	Element	(%wt)	Ladle	Product	EPCRA	CAS#
C	Carbon	0.19				:Cr Chrom	ium	0.09		✓ 7	140-47-3
Mn	Manganese	0.99		✓	7439-96-5	Mo Molyb	denum	0.02			
P	Phosphorous	0.011				V Vanad	ium	0.004			
s	Sulphur	0.014				Cb Colum	bium	0.001			
Si	Silicon	0.22	-			C.E.		0.40	-		
Cu	Copper	0.24		✓	7440-50-8	CuNiCrMo		0.435			
Ni	Nickel	0.08		✓	7440-02-0	CrMo		0.115			
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Mechanical Te	esting	:	Other	CMC MENA C
Test Lab	AFG	MILL		CMC-TEXAS 3023959
Test Bar Size	Sacrificail Piece	MHC		3023959
нвw	179 - 179			
Elg (%)	28.0	•		
RA (%)	54.0	•		
Tensile Specimen Size (in)	.504	:		
Tensile (ksi)	82.0			
Yield (ksi)	50.1			
Gauge Length	2			
		:		
		:		
		:		
		:		

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 Edition 2009

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.:

212054

Certification Date:

7/1/2011

Nicholas Tepovich - Metallurgic Lab Manager

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