

Material Test Report

Heat Code: HMV

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

54940 TULTITLAN, EDO, MEX

PO: 7995

Sales Order: 74164

Line: 4

item Code: 0152300100-0020F

Qty Shipped: 30

Item Desc: FLG 03.00 0150 SO RF Supplier: CMC

Supplier Heat: 3016004

Spec: ASTM A105/A105M-(05)/ASME SA 105/SA 105M-(08a) Section II Part A

Element	(%wt)	Ladie	Product	EPCR	A CAS#	Elem	ent	(%wt)	Ladie	Product	EPCRA	CAS#
C Carbo		0,19				Cr	Chromi	um	80.0	· ·	17	440-47-3
Mn Manga		1.09		✓	7439-96-5	Мо	Molybo	ienum	0.02			
	horous	0.008				v	Vanadi	Lum	0.002			
S Sulph		0.014				Cb	Columb	oium	0.002			
Si Silic		0.25				C.E.			0.41			
Cu Coppe		0.19		✓	7440-50-8	Cuni	CrMo		0.36			
Ni Nicke		0.07		✓	7440-02-0	CrMo	,		0.1			
						•	- 1		4			

Mechanical Ter	stina	0	Other				
Test Lab Test Bar Size HBW Elg (%) RA (%) Tensile Specimen Size (in) Tensile (ksi) Yield (ksi) Gauge Length	AFG Sacrificial Piece 163 - 163 29.0 60.0 0.250 81.2 46.5 1.00	MILL MHC Country of Origin EF Fully Killed PLEASA ANAHUAC Y CONTROL DE	Ty De				
		FECHA 10 V/CLY 2010 E868 E. RUIZ					

Product compliant with NACE MR0175, latest edition and dimensions to ASME B16:5 Product compliant with and meets all requirements of ASTM A105/ASME SA105, latest edition. 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 MR0103, latest edition.

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 elone to determine whether your facility is required to submit a Toxic Release inventory Report under EPCRA Section 313.

Certification No.:

182177

Certification Date:

4/30/2010

Nicholas Tepovich - Metallurgic Lab Manager

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