Material Test Report

Heat Code: AGV

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

Item Code: 0303400100-0020F Item Desc:

Sales Order: 66675 Qty Shipped: 9

ALAMEDAS 66-0

Supplier Heat: 261983

54940 TULTITLAN, EDO MEX

Supplier: CMC

Spec: ASME SA-105/SA-105M 2004 Section II/ASTM A105/A105M-03

Elen	ent (%wt)	Ladle	Product	EPCR	A CAS#	Element	(%wt)	Ladie	Product	EPCRA	
С	Carbon	0.19				Cr Chrom	.um	0.09		✓ 7	1440-47-3
Mn	Manganese	0.93		✓	7439-96-5	Mo Molybo	denum	0.032			
P	Phosphorous	0.009				V Vanadi	ium	0.000			
s	Sulphur	0.023				Cb Columb	bium	0.002			
Si	Silicon	0.17				C.E.		0.393			
Cu	Copper	0.25		✓	7440-50-8	CuNiCrMo		0.47			
Ni	Nickel	0.10		✓	7440-02-0	CrMo		0.12			
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Machanica	1	Other				
Mechanica Test Lab Test Bar Size HBW Elg (%) RA (%) Tensile Specimen Size (in) Tensile (ksi) Yield (ksi) Gauge Length	AFG SACRIFICIAL PIECE 156-156 28.0 42.0 0.497 73.2 41.1 2.00	Country of Origin EF	USA (US) Y			

Product compliant with NACE MR0175 / ISO 15156, latest edition and dimensions to ANSI B16.5 Product compliant with and meets all requirements of ASTM A105/ASME SA105, latest edition.

Chemical Analysis results shown are actual. Forgings are capable of passing No Weld repair performed. 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.:

150536

Certification Date:

10/3/2008

Nicholas Tepovich - Metallurgic Lab Manager

Michaeles Legare!

This report is issued in compliance with the requirements of EN10204 3.1 / ISO 10474 3.1.b