

Material Test Report

Heat Code: STP

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

Item Code: 0151400101-0020F

Sales Order: 103755

Line: 3

150

ALAMEDAS 66-0

Item Desc: FLG 04.00 0150 WN RF STD

Qty Shipped:

54940 TULTITLAN, EDO, MEX

Supplier: CMC

PO: 11931

Supplier Heat: 3028211

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

Eleme	ent (%wt)	Ladle	Product	EPCRA	CAS#	Element	(%wt)	Ladle	Product	EPCRA	CAS#
С	Carbon	0.20				Cr Chro	mium	0.06		1	7440-47-3
Mn	Manganese	0.98		✓ 7	439-96-5	Mo Moly	bdenum	0.02			
P	Phosphorous	0.009				V Vana	dium	0.003			
s	Sulphur	0.022				Cb Colu	mbium	0.001			
Si .	Silicon	0.23				C.E.		0.40			
Cu	Copper	0.27		√ 7	440-50-8	CuNiCrMo		0.433			
Ni	Nickel	80.0		V 7	440-02-0	CrMo		0.083			

Mechanical T	esting	Other				
Test Lab	AFG	MILL	CMC-TEXAS			
Test Bar Size	Sacrificial Piece	MHC	3028211			
HBW	156 - 156					
Elg (%)	34					
RA (%)	66					
Tensile Specimen Size (in)	.250					
Tensile (ksi)	79.3					
Yield (ksi)	47.1					
Gauge Length	1 .					
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		;				

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. Made in USA

No weld repair performed on this product.

Made In the USA

Product compliant with NACE MR0175, latest edition and dimensions to ASME B16.5-2009

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.:

229517

Certification Date:

2/7/2012

Nicholas Tepovich - Metallurgic Lab Manager

Violadas Jep

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