

Material Test Report

Heat Code: HJM

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

ISO 9001:2000 Certified

PLESA ANAHUAC Y CIAS
SA DE CV AV. VALLE DE LAS
ALAMEDAS 66-0

54940 TULTITLAN, EDO, MEX

PO: 8112

Sales Order: 74602

Line: 2

Item Code: 0153600100-0020F

Item Desc: FLG 06.00 0150 BL RF

Supplier: CMC

Supplier Heat: 3014409

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

pec: ASTM AIO			Element (%wt)	Ladie	Product	EPCRA CAS#
Carbon Carbon Manganese Phosphorous Sulphur Silicon Cu Copper Nickel	Ladle Pro 0.19 1.03 0.006 0.020 0.21 0.20 0.08	✓ 7439-96-5 ✓ 7440-50-8 ✓ 7440-02-0	Cr Chromium Mo Molybdenum V Vanadium Cb Columbium C.E. Cunicrmo Crmo	0.07 0.02 0.001 0.001 0.40 0.33 0.09		√ 7440-47-3

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Mechanical To	esting	Other CMC-TEXAS		
Test Lab Test Bar Size HBW Elg (%) RA (%)	AFG SACRIFICAL PIECE 156 - 159 25.0 57.0 .250 76.7 42.3	MILL MHC Country of Origin EF Fully Killed	3014409 USA (US) Y	
Tensile Specimen Size (in) Tensile (ksi) Yield (ksi) Gauge Length		PLEASA ANAHUAC Y CIAS, S.A. DE G.V. CONTROL DE CALIDAD		
		FECHA 18 LC E87	14 2010	

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

Certification No.:

182186

Certification Date:

4/30/2010

Nicholas Tepovich - Metallurgic Lab Manager

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