

## **Material Test Report**

Heat Code: WPU

An Ameri-Forge Group Company 13770 Industrial Rd. Houston, TX 77015

ISO 9001:2008 Certified

Sales: (713) 868-4421 Fax: (713) 455-8366

PLESA STEEL INC. 5100 WESTHEIMER ROAD

Item Code: 0153300100-0020F

Sales Order: 127804 Line: 5

SUITE 200

Item Desc: FLG 03.00 0150 BL RF

Qty Shipped: 100

Houston, TX 77056

Supplier: CMC

Supplier Heat: 3041583

Spec: ASTM A105/A105M-(12)/ASME SA 105/SA 105M-(13) Section II Part A

PO: 122

Elen	nent	(%wt)	Ladle	Product	EPCR	A CAS#	Elen	nent	(%wt)	Ladle	Product	EPCRA	CAS#
С	Carbon		0.20				Cr	Chrom	ium	0.08		√ 7	440-47-3
Mn	Mangane	ese	1.03		1	7439-96-5	Мо	Molybe	denum	0.02			
P	Phospho	orous	0.010				٠v	Vanad:	ium	0.002			
s	Sulphur	r	0.016				Ср	Columb	oium	0.003			
Si	Silicon	n	0.23				C.E			0.42			
Cu	Copper		0.27		1	7440-50-8	CuN	iCrMo		0.450			
Ni	Nickel		0.08		✓	7440-02-0	: CrM	0		0.100			
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Mechanical Te	esting	Other				
Test Lab	AFG	MILL	CMC			
Test Bar Size	Sacrificial Piece	мнс	3041583			
HBW	163 - 163	Country of Origin	USA			
Elg (%)	30.0	EF	Y			
RA (%)	60.0	DESC:	PO 25068764; SPL2"			
Tensile Specimen Size (in)	.248	DESC2:	CostCtr# 107562			
Tensile (ksi)	81.7					
Yield (ksi)	47.4	:				
Gauge Length	1	•				
		1				
		•				
		•				
		•				
		•				
		•				
		:				

AmeriForge manufactures materials according to a certified Quality Management System conforming to ISO 9001:2008 and in compliance to PED 97/23/EC, Section 4.3

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. Yield strength was determined using the .2% offset method. 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. Made

No weld repair performed on this product.

Product compliant with NACE MR0175 / ISO 15156 latest edition and dimensions to ASME B16.5 - 2013

Tensile Testing Per ASTM E8; Brinell Hardness Per ASTM E10

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

Certification No.:

279900

Certification Date:

10/5/2013

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