

## **Material Test Report**

Heat Code: UPZ

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: 0151800102-0020F

PO: 42

Sales Order: 116720

Qty Shipped: 50

Line: 17

SUITE 200

Item Desc: FLG 08.00 0150 WN RF XH

Houston, TX 77056

Supplier: CMC

Supplier Heat: 3034364

Spec: ASTM A105/A105M-(11a)/ASME SA 105/SA 105M-(08a) Section II Part A

Elen	nent (%wt)	Ladle	Product	EPCR.	A CAS#	Element	(%wt)	Ladle	Product	EPCRA	CAS#
С	Carbon	0.18					mium	0.11	1100000		
Mn	Manganese	1.04		✓	7439-96-5	\$1000 E	bdenum	0.02		• /	440-47-3
P	Phosphorous	0.014					dium	0.002			
S	Sulphur	0.020				Parameter and the second second	mbium	0.002			
Si	Silicon	0.24				C.E.		0.40			
Cu	Copper	0.27		1	7440-50-8	CuNiCrMo		0.459			
Ni	Nickel	0.09			7440-02-0	CrMo		0.129			

sting				
July	Other			
AFG	MILL		CMC-TEXAS	
Sacrificial Piece	MHC		3034364	
163 - 163			Y	
32				
62				
. 496				
80.9				
47.6				
2				
	İ			
	i .			
	:			
	:			
	AFG Sacrificial Piece 163 - 163 32 62 .496 80.9	AFG MILL Sacrificial Piece MHC 163 - 163 EF 32 62 .496 80.9	AFG MILL Sacrificial Piece MHC 163 - 163 EF 32 62 .496 80.9 47.6	

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 ANSI B16.5 - 2009 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 alone to determine whether your facility is required to submit a Toxic Release Inventory Report under EPCRA Section 313.

Certification No.:

250004

Certification Date:

10/12/2012

Nielalas Lepare

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

Nicholas Tepovich - Metallurgic Lab Manager