

Material Test Report

Heat Code: VDP

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

ISO 9001:2008 Certified

PLESA STEEL INC. 5100 WESTHEIMER ROAD SUITE 200

Item Code: 0151600102-0020F

Sales Order: 116581 Line: 6

Item Desc: FLG 06.00 0150 WN RF XH

Qty Shipped: 50

Houston, TX 77056

Supplier: CMC

Supplier Heat: 3036175

Spec: ASTM A105/A105M-(12)/ASME SA 105/SA 105M-(08a) Section II Part A

Elen	nent (%wt)	Ladle	Product	EPCF	RA CAS#	Eler	nent	(%wt)	Ladle	Product	EPCR.	A CAS#
С	Carbon	0.19				:Cr	Chromi	um	0.08		✓	7440-47-3
Mn	Manganese	1.00		1	7439-96-5	Мо	Molybo	enum	0.02			
P	Phosphorous	0.008				V	Vanadi	um	0.002			
S	Sulphur	0.025				Cb	Columb	ium	0.000			
Si	Silicon	0.29				C.E.		0.40				
Cu	Copper	0.23		√ 7440-50-8		: CuNiCrMo		0.412				
Ni	Nickel	0.08		\checkmark	7440-02-0	.crM	rMo		0.102			

Other Mechanical Testing Test Lab 3036175 : MHC Test Bar Size Sacrificial Piece HBW 163 - 163 Elg (%) 34 RA (%) 56 Tensile Specimen Size (in) .498 Tensile (ksi) 79.9 Yield (ksi) 44.4 Gauge Length

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 thir order is certified to be free of mercury contamination and no mercury bearing equipment was used in manufacturing, fabrication or testing. Made in USA

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.: 255841 Certification Date: 12/21/2012

This report is issued in compliance with the requirements of EN1020431 / ISO 10474 3.1.b