

Material Test Report

Heat Code: UEK

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

PO: 42 Item Code: 0151300196-0020F

Sales Order: 116720

Line: 14

SUITE 200

Item Desc: FLG 03.00 0150 WN RF 160

Qty Shipped: 10

Houston, TX 77056

Supplier: CMC

Supplier Heat: 3032993

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

A CAS#	EPCRA	Product	Ladle	(%wt)	Element	CAS#	EPCR/	Product	Ladle	(%wt)	ment	Elei
7440-47-3	V 74		0.06	ium	Cr Chrom				0.19	on	Carbo	C
			0.02	denum	Mo Molyb	7439-96-5	1		0.99	anese	Mangai	Mn
			0.003	ium	V Vanad				0.011	phorous	Phosph	P
			0.002	bium	Cb Colum				0.015	nur	Sulph	S
			0.39		C.E.				0.21	con	Silico	Si
			0.361		CuNiCrMo	7440-50-8	< ·		0.20	er	Copper	Cu
			0.081		CrMo	7440-02-0	V .		0.08	91	Nickel	Ni
			0.081		Crmo	7440-02-0	•		0.08	•	WICKE	

Mechanical T	esting		Other	
Test Lab	AFG	MILL		CMC-TEXAS
Test Bar Size	SACRIFICIAL PIECE	мнс		3032993
HBW	146 - 146	EF		Y
Elg (%)	33			
RA (%)	63			
Tensile Specimen Size (in)	.248			
Tensile (ksi)	78.3			
Yield (ksi)	43.1			
Gauge Length	1			
		1		

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 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.:

250001

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