

Material Test Report

Heat Code: VJO

ISO 9001:2008 Certified

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

PLESA STEEL INC. 5100 WESTHEIMER ROAD

PO: 82

Sales Order: 122004

Line: 2

SUITE 200

Item Code: 0302800100-0020F

Qty Shipped: 30

Item Desc: FLG 08.00 0300 SO RF

Houston, TX 77056

Supplier: CMC

Supplier Heat: 3036629

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

Elen	nent (%wt)	Ladie	Product	EPCRA	CASA	Elen	nent	(%wt)	Ladie	Product	EPCR/	A CAS#
С	Carbon	0.19				: Cx	Chromi	пw	0.06		√	7440-47-3
Mπ	Manganese	0.99		√ 74	439-96-5	Мо	Molybd	ಕ್ರಾಗು	0.03			
P	svorondsods	0.013				v	Vanadi	πm	0.002			
S	Sulphur	0.024				ರರ :	Columb	il uzm	0.0017			
Si	Silicon	0.21				C.E			0.40			
Cu	Copper	0.28		✓ 74	440-50-8	CuN:	i.CrMo		0.460			
Ni	Nickel	0.09		√ 74	440-02-0	CrM	5		0.090			
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Mechanical T	esting		Other
Test Lab	arg	: MILL	CMC-TEXAS
Test Bar Size	SACRIFICIAL PIECE	MHC	3036629
HBW	149 - 149	Country of Origin	USA (US)
Elg (%)	32	EF	Υ
RA (%)	62		
Tensile Specimen Size (in)	.501		
Tensile (ksi)	78.3	•	
Yield (ksi)	45.2		
Gauge Length	2		

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 Mardness Per ASTM E10

Forged in USA

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.

Cerüfication No.: 264372 Cerüfication Date: 4/2/2013

m is report is issued in compliance with the requirements of EN10204 31 / ISO 104743 1 b