

Material Test Report

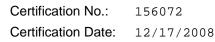
Heat Code: CSV

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

	150 9001	ZUUU Cermea	S	ales (713)	868-4421	Fax: (71)	3) 455-83
LESA ANAHUAC Y CIAS	ISO 9001:2000 Certified PO: 5526 Sales C			der: 676:		Line:	•
A DE CV AV. VALLE DE LAS		tem Code: 0301400102-0020F Qty Shipped					
LAMEDAS 66-0		Item Desc: FLG 04.00 0300 WN RF XH A105 NHT COFFR					
4940 TULTITLAN, EDO MEX	Supplier: CMC	01100 0500			eat: 3004		
pec: ASTM A 105/A 105M-(05),		$105M_{-}(082)$				1/10	
						50004	010"
ement (%wt) Ladle Produ Carbon 0.21	ct EPCRA CAS#	Cr Chromiu	(%wt)	Ladle	Product	EPCRA	CAS#
Manganese 0.90	✓ 7439-96-5	Mo Molybde		0.031		• /-	40-47-3
Phosphorous 0.009	• 1439-90-3	V Vanadiu		0.001			
Sulphur 0.013		Cb Columbi		0.001			
i Silicon 0.21		C.E.	um	0.003			
a Copper 0.23	✓ 7440-50-8	CuNiCrMo		0.410			
i Nickel 0.09	✓ 7440-02-0	CrMo		0.10			
Mechanical							
est Lab	AFG						
est Bar Size	SACRIFICIAL PIECE						
BW	163-163						
lg (%)	26.0						
A (%)	51.0						
ensile Specimen Size (in)	0.249						
ensile (ksi)	79.5						
ield (ksi)	44.4						
auge Length	1.00						
1 .		•			516 5		
coduct compliant with NACE MR0175 coduct compliant with and meets al							
loquet compliant with and meets al	I requirements OF A	ASIM ALUS/ASME	salus, 1	alest edi			
Weld repair performed. Chemica	l Analysis results	shown are act	tual. For	gings are	e capable	of passi	ng

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. 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. Yield strength was determined using the 0.2% offset method.

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.



Nielalas Lepare