



CERTIFICATE OF INSPECTION & TEST

ORIGINAL



ST&H CORPORATION
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Certified to ISO9001:2008, ISO14001:2004, PED97/23/EC by LRQA
 Certified API Spec Q1 and API Spec 6A (Licence No : 6A-1284)



Customer : PLESA ANAHUAC Y CIAS.,S.A DE C.V.				Contract No. : 17225				Report No : MJW8458				Date: JAN.02.2014	
Spec. For Material : ASTM/ASME A/SA.105N-11(NACE MR0175/ISO 15156-2009)											Heat Treatment		
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	910°C NORMALIZED & A.C	
Heat No./Batch no.	MAX	0.350	0.350	1.050	0.035	0.040	0.400	0.300	0.120	0.400	0.080		
	MIN		0.100	0.600									
12622I		0.207	0.273	0.880	0.014	0.002	0.012	0.023	0.004	0.016	0.002	Dimensional Inspection	
Tension Test						Charpy Impact Test (10x10 mm Specimen Size)				Hardness Test (HB)	Bending Test 90:120(180°)	ANSI B16.5 - 2009 GOOD	
Size of Specimen(mm)		Yield Strength MPa	Tensile Strength MPa	Elongation %	Red of Area %	Individual min	Average min	Notch Type					
Dia	Gage Length					Test Result				187			
12.5	50	MAX				Temp							
		MIN	250.000	485.000	22.000	①	②	③	Average				
12.5	50		309.000	498.000	32.000					143, 148		Ultrasonic Examination	
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY			N/A		
150LBS WNRF S80 6"		100	BLANK			BLANK					Magnetic Particle Examination		
150LBS WNRF STD 5"		50									N/A		
150LBS WNRF STD 4"		100									Remarks :		
150LBS WNRF STD 3"		200									**CE = 0.36 (LONG FORMULAR)		
600LBS BLRF 2"		10											

NOTE :
 1MPa = 145.037 psi
 1MPa = 0.145037 ksi
 1psi = 0.006895 MPa
 1ksi = 6.89476 MPa

W.C:Water Cool O.C.Oil Cool
 A.C:Air Cool N.A:Non Action
 N:Normalized A:Annealed
 Q.T:Quenched and Tempered
 N.T:Normalized and Tempered

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for by the above order.

[Signature]

Witnessed by / H. J. LEE Manager of Q.A Dept./ J. W. PARK

