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CERTIFICATE OF INSPECTION & TEST

(EN 10204 3.1)

ORIGINAL



Certified to ISO9001:2008, ISO14001:2004, PED97/23/EC by LRQA

Certified API Spec Q1 and API Spec 6A (Licence No : 6A-1284)

CE
EPS 010308 161

Customer : PLESA ANAHUAC Y CIAS.,S.A DE C.V.	Contract No. : 17225	Report No : MJW8458	Date: JAN.02.2014
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Spec. For Material : ASTM/ASME A/SA105N-11(NACE MR0175/ISO 15156-2009)	Heat Treatment
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Chemical Composition (%)	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V		
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	910°C NORMALIZED & A.C
	MIN		0.100	0.600								
126221		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°)
Size of Specimen(mm)	Yield Strength MPa	Tensile Strength MPa	Elongation %	Red of Area %	Individual min	Average min	Notch Type		Temp		
Dia	Gage Length				①	②	③	Average			
12.5	50	MAX							187		
		MIN	250.000	485.000	22.000	30.000					
12.5	50		309.000	498.000	32.000	64.000			143, 148		

ITEM / SIZE	Q'TY	ITEM / SIZE	Q'TY	ITEM / SIZE	Q'TY
150LBS WNRF S80 6"	100	BLANK		BLANK	
150LBS WNRF STD 5"	50				
150LBS WNRF STD 4"	100				
150LBS WNRF STD 3"	200				
600LBS BLRF 2"	10				

ANSI B16.5 - 2009
GOOD

Ultrasonic Examination
N/A

Magnetic Particle Examination
N/A

Remarks :
**CE = 0.36 (LONG FORMULAR)

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