



ST&H CORPORATION

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# CERTIFICATE OF INSPECTION & TEST

ORIGINAL



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/SA105N-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											
20042E		0.207	0.259	0.910	0.015	0.003	0.012	0.030	0.002	0.011	0.003	Dimensional Inspection			
Tension Test						Charpy Impact Test (10x10 mm Specimen Size)				Hardness Test (HB)					
Size of Specimen(mm)		Yield Strength MPa	Tensile Strength MPa	Elongation %	Red of Area %	Individual		Average		Notch Type	Temp	187	ANSI B16.5 - 2009		
Dia	Gage Length					min	min	Test Result							
12.5	50	MAX								150, 152	GOOD				
		MIN	250.000	485.000	22.000	30.000	①	②	③				Average		
12.5	50	MAX								150, 152	GOOD				
		MIN	302.000	508.000	28.000	39.000									
ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	Ultrasonic Examination			
600LBS BLRF 24"			3	BLANK				BLANK							
BLANK				BLANK				BLANK				N/A			
BLANK				BLANK				BLANK				Magnetic Particle Examination			
BLANK				BLANK				BLANK				N/A			
BLANK				BLANK				BLANK				Remarks :			
BLANK				BLANK				BLANK				**CE = 0.37 (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