



CERTIFICATE OF INSPECTION & TEST

ORIGINAL



ST&H CORPORATION

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(EN 10204 3.1)

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	Dimensional Inspection			
	MIN		0.100	0.600											
03752C		0.210	0.243	0.970	0.013	0.003	0.009	0.027	0.004	0.016	0.005	ANSI B16.5 - 2009 GOOD			
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		Average				Notch Type			
Dia	Gage Length					min		min							
12.5	50	MAX				Test Result				187	Temp				
		MIN	250.000	485.000	22.000	30.000	①	②	③				Average		
12.5	50		320.000	566.000	26.000	37.000					145, 147	Ultrasonic Examination			
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY							
150LBS BLRF 6"		50	BLANK			BLANK			Magnetic Particle Examination						
600LBS BLRF 3"		10													
150LBS SORF 2"		400							Remarks : **CE = 0.38 (LONG FORMULAR)						
BLANK															

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.

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

