



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)



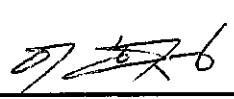
RPS 02/2009 / 01

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									
T2697D		0.184	0.225	0.970	0.020	0.011	0.027	0.041	0.002	0.037	0.001	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		Average					
Dia	Gage Length					min	min	Temp					
12.5	50	MAX				Test Result				187			
		MIN	250.000	485.000	22.000	30.000	①	②	③	Average			
12.5	50		301.000	542.000	27.000	40.000					146, 154	Ultrasonic Examination	
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	Remarks :				
300LBS WNRF STD 8"		20	BLANK			BLANK			N/A				
300LBS WNRF S80 8"		20							Magnetic Particle Examination				
BLANK									N/A				
									**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.

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