

# CERTIFICATE OF INSPECTION & TEST

ORIGINAL



CE  
RPS 0160368 / 01



**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)

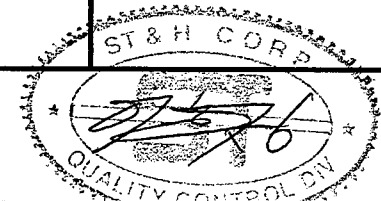
Customer : PLESA ANAHUAC Y CIAS.,S.A DE C.V.				Contract No. : 15090				Report No : MHJ7913				Date: APR.15.2013				
Spec. For Material : ASTM/ASME A/SA105N-11(NACE MR0175/ISO 15156-2009)												Heat Treatment				
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	N	910°C NORMALIZED & A.C			
Heat No.	MAX	0.350	0.350	1.050	0.035	0.040	0.400	0.300	0.120	0.400	0.080					
B5905	MIN		0.100	0.600												
		0.190	0.190	1.050	0.018	0.003	0.017	0.036	0.042	0.008	0.003		Dimensional Inspection  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	Temp	187				
Dia	Gage Length					min	min									
12.5	50	MAX				Test Result										
		MIN	250.000	485.000	22.000	30.000	①	②	③	Average						
12.5	50		395.000	545.000	33.000	70.500					144, 145					
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	Ultrasonic Examination N/A Magnetic Particle Examination N/A Remarks : **CE = 0.38 (LONG FORMULAR)							
300LBS SORF 3"		20	BLANK			BLANK										
600LBS WNRF STD 2"		20														
600LBS WNRF S160 2"		20														
600LBS WNRF STD 3"		20														
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/ K. S. KIM



Manage of Q.A Dept/ H. J. LEE