

CERTIFICATE OF INSPECTION & TEST

ORIGINAL



ST&H CORPORATION
 411-3 Shinwol-ri, Jinryemyun, Gimhae-si Gyungnam, Korea
 Tel: 82.51.744-4680(5 line) Fax: 82.51.744-4670
 E-mail : stcorp@kornet.net

(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. : 15982				Report No : MSH8188				Date: SEP.09.2013	
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	910°C NORMALIZED & AC	
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									
T1067K		0.204	0.231	0.930	0.018	0.010	0.028	0.071	0.002	0.022	0.002	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	Test Result		Temp			
12.5	50	MAX				①	②	③	Average	187	Ultrasonic Examination		
12.5	50	MIN	250.000	485.000	22.000	30.000				144, 146			
ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	Remarks : **CE = 0.38 (LONG FORMULAR)	
150LBS SORF 8"			90	BLANK				BLANK					
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.

[Signature]



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