

# 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											
T1067E		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°)					
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			Temp	187					
		MIN	250.000	485.000	22.000	30.000	①	②			③	Average			
12.5	50		286.000	505.000	32.000	54.000					148, 154	ANSI B16.5 - 2009  GOOD			
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY							
150LBS SORF 8"		130	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.			
Witnessed by / H. J. LEE      Manager of Q.A Dept. / S. H. LEE															