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. : 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	
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								
T1067H		0.204	0.231	0.930	0.018	0.010	0.028	0.071	0.002	0.022	0.002	

910℃ NORMALIZED & AC

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		297.000	505.000	40.000	67.000						161, 166	

ITEM / SIZE	Q'TY	ITEM / SIZE	Q'TY	ITEM / SIZE	Q'TY
150LBS SORF 4"	200	**BLANK**		**BLANK**	
BLANK					

Heat Treatment: 910℃ NORMALIZED & AC

Dimensional Inspection: ANSI B16.5 - 2009 GOOD

Ultrasonic Examination: N/A

Magnetic Particle Examination: N/A

Remarks :
**CE = 0.38
(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. / S. H. LEE