

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 : stcorpn@kornet.net

(EN 10204 3.1)

Certified to ISO9001:2008, PED97/23/EC by LRQA
 Report No : MYM6979 Date: FEB.20.2012

Customer : PLESA ANAHUAC Y CIAS, SA DE CV AV.										Contract No. : 11890			Heat Treatment	
Spec. For Material : ASTM/ASME A/SA105N-05(NACE MR-0175)														
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Nb	910°C NORMALIZED	
Heat 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										
Y7305		0.190	0.220	0.810	0.016	0.012	0.025	0.012	0.004	0.024	0.001		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	GOOD		
		MIN	250.000	485.000	22.000	30.000	①	②	③		Average			137
12.5	50		297.000	526.500	33.750	67.000						143-157	Ultrasonic Examination	
ITEM / SIZE		Q'TY	ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY				
600LBS BLRF 6"		20	BLANK				BLANK				N/A			
BLANK											Magnetic Particle Examination			
											N/A			
											Remarks : **CE = 0.33 (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.

Am
 Witnessed by/ K. S. KIM

Am
 Manage of Q.A Dept/ Y. M. CHOI