

# CERTIFICATE OF INSPECTION & TEST

ORIGINAL



CE  
RPS 0160308 / 01



**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, SA DE CV AV.				Contract No. : 11890				Report No : MYM6979				Date: FEB.20.2012				
Spec. For Material : ASTM/ASME A/SA105N-11(NACE MR-0175)												Heat Treatment				
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)				
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	MAX187		ANSI B16.5 - 2009  GOOD			
		MIN	250.000	485.000	22.000	30.000	①	②	③						Average	
12.5	50		297.000	526.500	33.750	67.000					143-157					
ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	Ultrasonic Examination  N/A  Magnetic Particle Examination  N/A  Remarks : **CE = 0.33 (LONG FORMULAR)				
150LBS SORF 6"			46	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/ K. S. KIM

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