



CERTIFICATE OF INSPECTION & TEST

ORIGINAL



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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)



RPS 0160308 / 01

Customer : PLESA ANAHUAC Y CIAS.,S.A DE C.V.				Contract No. : 18529				Report No : MES8670				Date: JUL.24.2014	
Spec. For Material : ASTM/ASME A/SA105N-11a(NACE MR0175/ISO15156-2009)												Heat Treatment	
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	910°C NORMALIZED & A.C	
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									
B5906		0.230	0.220	1.000	0.009	0.008	0.018	0.025	0.041	0.007	0.005	Dimensional Inspection	
Tension Test						Charpy Impact Test (10x10 mm Specimen Size)				Hardness Test (HB)	Bending Test 90:120(180°)	ASME B16.5 - 2009 GOOD	
Size of Specimen(mm)		Yield Strength MPa	Tensile Strength MPa	Elongation %	Red of Area %	Individual	Average	Notch Type					
Dia	Gage Length					min	min	Temp					
12.5	50	MAX				Test Result				187			
		MIN	250.000	485.000	22.000	30.000	①	②	③	Average			
12.5	50		410.000	560.000	35.000	71.500				141, 144	Ultrasonic Examination		
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	N/A	
300LBS BLRF 4"		20	150LBS SORF 4"		1,000	600LBS SORF 6"		20	Magnetic Particle Examination		N/A		
300LBS BLRF 6"		10	150LBS SORF 6"		1,000	600LBS SORF 8"		6	Remarks :		**CE = 0.41 (LONG FORMULAR)		
150LBS SORF 10"		150	300LBS SORF 10"		10	150LBS THRF 4"		100					
150LBS SORF 16"		10	300LBS SORF 4"		50	150LBS WNRF STD 10"		100					
150LBS SORF 3"		200	600LBS SORF 10"		6	150LBS WNRF S40 16"		20					

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./ E. S. PARK 

