

CERTIFICATE OF INSPECTION & TEST

ORIGINAL



RPS 0150308 / 01



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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. : 13797				Report No : MHJ7564				Date: OCT.26.2012				
Spec. For Material : ASTM/ASME A/SA105-11(NACE MR-0175)												Heat Treatment				
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Nb	910℃ 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												
08235			0.186	0.200	0.830	0.014	0.009	0.004	0.130	0.008	0.022	0.003	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				187			ANSI B16.5 - 2009 GOOD			
		MIN	250.000	485.000	22.000	30.000	①	②	③						Average	Temp
12.5	50		347.000	543.000	30.000	63.000					142-145			Ultrasonic Examination		
ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	ITEM / SIZE			Q'TY	N/A				
150LBS BLRF 2"			100	150LBS THRF 2"			100	150LBS SORF 4"			1,000					Magnetic Particle Examination
150LBS BLRF 3"			100	150LBS THRF 3"			50	150LBS SORF 6"			500	N/A				
150LBS BLRF 4"			100	150LBS THRF 4"			50	150LBS SORF 8"			500					Remarks : **CE = 0.35 (LONG FORMULAR)
150LBS BLRF 6"			100	150LBS SORF 2"			400	150LBS SORF 10"			100					
150LBS BLRF 8"			100	150LBS SORF 3"			300	150LBS SORF 12"			70					

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/ H. J. LEE