

MILL CERTIFICATE



COPY



ST AND H CORP
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(EN 10204 3.1)

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.

Certified by PED97/23/EC by LRQA

Report No : MYM5509

Date: MAR.31.2010

Customer : PLESA ANAHUAC Y CIAS, SA DE CV AV.						No. & date of LC : DC MXH100500						FEB.19.2010		Heat Treatment		
Spec. For Material : ASTM A105-05/ASME SA105(NACE MR-0175)														AS FORGED		
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	N				
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												
07516			0.207	0.245	0.910	0.018	0.009	0.009	0.010	0.002	0.010	0.001				
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		Temp	187	137	ANSI B16.5-2003	
Dia	Gage Length					min	min									
12.5	50	MAX				Test Result				143-146	GOOD					
		MIN	250.000	485.000	22.000	30.000	①	②	③			Average				
12.5	50		373.270	598.930	30.700	62.045										
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	Ultrasonic Examination				
150LBS WNRF STD 4"		450	150LBS THRF 2"		25	300LBS WNRF STD 6"		50	300LBS BLRF 2"		20	N/A				
150LBS WNRF STD 5"		30	150LBS THRF 3"		50	300LBS BLRF 2"		20	300LBS BLRF 3"		25	Magnaflex Examination				
150LBS WNRF STD 6"		215	300LBS SORF 4"		115	300LBS BLRF 3"		25	300LBS BLRF 4"		20	N/A				
150LBS WNRF STD 8"		175	300LBS SORF 6"		40	300LBS BLRF 4"		20	150LBS THRF 4"		40	Remarks : **CE = 0.36 (LONG FORMULAR)				
150LBS WNRF STD 10"		100	300LBS WNRF STD 4"		55											
<p>NOTE : W.C:Water Cool O.C.Oil Cool 1MPa = 145.037 psi A.C:Air Cool N.A:Non Action 1MPa = 0.145037 ksi N:Normalized A:Annealed 1psi = 6894.76 MPa Q.T:Quenched and Tempered 1ksi = 6.89476 MPa N.T:Normalized and Tempered</p> <p>* DESCRIPTION OF GOODS: CIF . 3.445 PC, ANSI B16.5 ASTM A105/SA105 FORGED STEEL FLANGE. THE 3.445 PC WHICH COVERS THE SHIPMENT IS INDIFFERENT SIZES. WITH A NET WEIGHT APPROX 47.240 KGS</p>																
Witnessed by											<p>Manager of Q.A Dept.</p>					