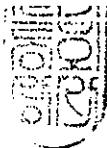


MILL CERTIFICATE



COPY



ST AND H CORP
1270-4 JWA3DONG, HAEUNDAEGU BUSAN
KOREA ZIP CODE612-852 AT'N: S.I.SUN
PH:+82-51-744-4682

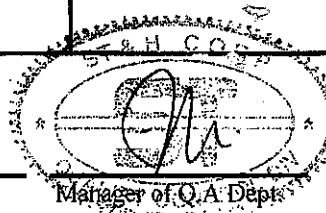
(EN 10204 3.1)

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 A105N-05/ASME SA105N(NACE MR-0175)																
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	N	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												
20176			0.213	0.226	0.860	0.014	0.011	0.018	0.011	0.002	0.017	0.002	Dimensional Inspection			
Tension Test					Charpy Impact Test (10x10 mm Specimen Size)					Hardness Test (HB)		Bending Test 90:120(180°)		ANSI B16.5-2003		
Size of Specimen(mm)		Yield Strength MPa	Tensile Strength MPa	Elongation %	Red of Area %	Individual		Average		Notch Type		Temp	187	137	GOOD	
Dia	Gage Length					min	min									
12.5	50	MAX				Test Result						187				
		MIN	250.000	485.000	22.000	30.000	①	②	③	Average			137			
12.5	50		372.670	579.790	32.900	65.970						143-149			Ultrasonic Examination	
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE			Q'TY	PASS			
600LBS BLRF 6"		15	600LBS WNRF STD 6"		10	BLANK							Magnaflex Examination			
600LBS BLRF 8"		10	600LBS WNRF STD 8"		15								N/A			
600LBS SORF 6"		10	600LBS WNRF STD 10"		10								Remarks :			
600LBS SORF 8"		5	BLANK										**CE = 0.36 (LONG FORMULAR)			
600LBS SORF 10"		5														
NOTE :		W.C:Water Cool O.C.Oil Cool		* DESCRIPTION OF GOODS:												
1MPa = 145.037 psi		A.C:Air Cool N.A:Non Action		CIF .												
1MPa = 0.145037 ksi		N:Normalized A:Annealed		3.445 PC, ANSI 816.5 ASTM A105/SA105 FORGED STEEL FLANGE.												
1psi = 6894.76 MPa		Q.T:Quenched and Tempered		THE 3.445 PC WHICH COVERS THE SHIPMENT IS INDIFFERENT SIZES.												
1ksi = 6.89476 MPa		N.T:Normalized and Tempered		WITH A NET WEIGHT APPROX 47.240 KGS												
										Witnessed by			 Manager of Q.A Dept			