

CERTIFIED MATERIAL TEST REPORT  
Hackney Ladish Inc.

P.O. Box 803466 - 5495 Beltline Rd. #290 - Dallas, TX 75254  
Phone: (800) 527-4500 Fax: (214) 269-5601

Request for: HUMBERTO

Date: 02/19/07

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to:  
VALLE DE LAS ALAMEDAS NO 66-0  
TULTITLAN MX 54940

Heat Code	Quantity	Description / Specifications
B06DM1S		3 X 2 STD TEE A/SA 234 - 05 WPB (SMLS)
		A106B 55 41655 STRESS RELIEVED NACE MR0175
C06LW1S		18 X 10 STD CONC A/SA 234 - 05A WPB (SMLS)
		TRI Y56 61 958004 STRESS RELIEVED NACE MR0175
RD05GW		20 STD LR 45 A/SA 234 - 03 WPB (SMLS)
		A106B 48 21358 HOT FORMED NACE MR0175
C06LW1S		18 X 10 STD CONC A/SA 234 - 05A WPB (SMLS)
		TRI Y56 61 958004 STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
B06DM1S	M	.170	.720	.008	.001	.270	.065	.001	.020	.010	.0280
C06LW1S	M	.150	1.140	.010	.002	.220	.120	.090	.070	.030	.0280
RD05GW	M	.170	1.090	.008	.026	.220	.128	.080	.080	.044	.0240
C06LW1S	M	.150	1.140	.010	.002	.220	.120	.090	.070	.030	.0280

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
B06DM1S	.0031	.001	.0001	.0030	.001	.004		.001	.006	.300
C06LW1S	.0059	.050								.384
RD05GW		.000	.0000		.000	.008				.390
C06LW1S	.0059	.050								.384

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
B06DM1S	65.9	L		41.5	30.0	59.0	133
C06LW1S	69.5	L	.352	49.7	35.0	76.0	141
RD05GW	75.7	L		50.3	42.0		153
C06LW1S	69.5	L	.352	49.7	35.0	76.0	141

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
B06DM1S						
C06LW1S						
RD05GW						
C06LW1S						

Test: M=Mill Product  
Type: L=Longitudinal

We certify that the material herein described has been manufactured in accordance with the above standards and specifications and satisfies all the requirements of the latest editions unless otherwise noted. We certify these fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.  
/S/ Glinda LaFleur