

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
B06HRS		12 X 6 STD ECC A/SA 234 - 05A WPB (SMLS) TRI47 35 79908 STRESS RELIEVED NACE MR0175
H06DF		20 STD CAP A/SA 234 - 06 WPB (SMLS) A516-70 173 811T08820 HOT FORMED NACE MR0175
H06DF		24 STD CAP A/SA 234 - 06 WPB (SMLS) A516-70 173 811T08820 HOT FORMED NACE MR0175
H06CLS		6 STD CAP A/SA 234 - 06 WPB (SMLS) A516-70 173 811T08800 STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
B06HRS	M	.180	.930	.013	.004	.210	.010	.060	.080	.010	.0210
H06DF	M	.170	1.060	.014	.006	.323	.267	.160	.040	.008	.0320
H06DF	M	.170	1.060	.014	.006	.323	.267	.160	.040	.008	.0320
H06CLS	M	.180	1.060	.014	.005	.347	.258	.150	.030	.008	.0350

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
B06HRS	.0060	.002			.001					.358
H06DF	.0060	.001	.0002	.0020	.003	.003				.384
H06DF	.0060	.001	.0002	.0020	.003	.003				.384
H06CLS	.0050	.001	.0002	.0030	.003	.002				.391

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
B06HRS	66.5	L	.369	45.1	34.0	.0	135
H06DF	78.1			56.3	50.0		163
H06DF	78.1			56.3	50.0		163
H06CLS	69.0	T	.307	47.3	34.0		147

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
B06HRS						
H06DF						
H06DF						
H06CLS						

Test: M=Mill Product
Type: L=Longitudinal T=Transverse

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