

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

Order Number: 2165

Date: 11/10/06

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
B06DZS	16 X 12 STD ECC	A/SA 234 - 05A WPB (SMLS) NACE MR0175
	A106B 169 254209	STRESS RELIEVED
F06XNS	2 STD CAP	A/SA 234 - 06 WPB (SMLS) NACE MR0175
	A516-70 154 A5Y3053	STRESS RELIEVED
A06BT	18 STD LR 45	A/SA 234 - 05A WPB (SMLS) NACE MR0175
	A106B 57 25319	HOT FORMED
E06WX2S	12 STD CAP	A/SA 234 - 06 WPB (SMLS) NACE MR0175
	A516-70 173 161P32920	STRESS RELIEVED

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
B06DZS	M	.170	1.030	.014	.008	.220	.190	.120	.130	.020	.0220
F06XNS	M	.226	1.053	.012	.006	.195	.217	.100	.080	.025	.0330
A06BT	M	.160	1.020	.010	.001	.230	.011	.080	.090	.030	.0200
E06WX2S	M	.170	1.080	.008	.007	.358	.255	.190	.020	.003	.0410

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Co	Sn	W	Pb	Co	CE
B06DZS	.0098	.002			.001					.392
F06XNS		.002	.0001	.0020	.000	.009				.444
A06BT	.0006	.000	.0000	.0000	.000	.007				.360
E06WX2S		.001		.0030	.001					.384

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
B06DZS	73.8	L		48.8	33.0	67.0	158
F06XNS	75.2	T		47.9	22.0	52.0	155
A06BT	75.8	L		52.8	44.0		197
E06WX2S	71.0	T		46.0	35.0		143

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
B06DZS						
F06XNS						
A06BT						
E06WX2S						

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