

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney \* Ladish \* Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

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Order Number: 15523

(253522-011) INV #00109887 02/05/09 Date: 05/10/02<sup>2</sup>

Sold to: FERRETERA ANAHUAC, S.A. DE C.V Ship to: FERRETERA ANAHUAC, S.A. DE0001  
 VALLE DE LAS ALAMEDAS NO.66 B C/O SPECIALIST IN TRANSIT FWR  
 SAN FRANCISCO CHILPAN 1801 MARKLEY MODERN IND. PARK  
 TULTITLAN, EOO. DE MEXICO LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
M2ZH	10	12 X 10 STD ECC A/SA 234 - 01 WPB A106B 133/ 722UN USS NORMALIZED NACE MR0175
M2LZ	10	4 X 3 XH ECC A/SA 234 - 00 WPB A106B 133/272UN USS NORMALIZED NACE MR0175
EM01YY	20	10 XH CAP A/SA 234 - 00 WPB A516-70 117/B1F517 NORM. 1650 NACE MR0175
EF01XA	10	12 XH CAP A/SA 234 - 00 WPB A516-70 117/A1D061 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
M2ZH	M	.190	1.060	.005	.005	.230	.030	.020	.060	.010	
M2LZ	M	.170	1.050	.008	.013	.230	.020	.010	.010	.000	
EM01YY	M	.180	1.020	.006	.002	.230	.200	.090	.100	.030	.0290
EF01XA	M	.200	.970	.008	.002	.220	.260	.130	.160	.040	.0210

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
M2ZH		.001			.001					.384
M2LZ		.000			.002					.349
EM01YY		.010	.0005	.0300	.010	.011	.004	.002	.050	.397
EF01XA		.010	.0005	.0200	.010	.013	.007	.003	.050	.429

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
M2ZH	74.2			48.9	38.0	71.7	197
M2LZ	74.5			54.5	37.0	74.0	197
EM01YY	77.4	T		48.9	34.0	67.0	140
EF01XA	79.6	T		50.5	31.0	64.0	147

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
M2ZH						
M2LZ						
EM01YY						
EF01XA						

Test: M=Mill Product

Type: T=Transverse

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and 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