

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney \* Ladish \* Flo-Bend

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

Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 7816

Date: 03/10/04

Sold to: FERRETERA ANAHUAC, SA DE CV Ship to:

VALLE DE LAS ALAMEDAS NO 66 B

SAN FRANCISCO CHILPAN

TULTITLAN EOO DE 54940

Heat Code	Quantity	Description / Specifications		
EJ03JP		2 X 1.1/4 STD RED TEE	A/SA 234 - 01	WPB
		A106-B 9/A62955	NORM. 1650	NACE MR0175
EB03AB		18 X 12 STD CONC	A/SA 234 - 01	WPB
		A106-B 159/819450	NORM. 1650	NACE MR0175
RE03HY		24 STD LR 45 DEG ELB	A/SA 234 - 01	WPB
		470 9 A61331	AS ROLLED	NACE MR0175
EK03ZP		6 XH CAP	A/SA 234 - 01	WPB
		A516-70 138/5G7675	AS ROLLED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EJ03JP	M	.190	.640	.023	.012	.230	.010	.030	.100	.020	.0270
EB03AB	M	.170	.820	.016	.006	.320	.120	.070	.070	.080	.0350
RE03HY	M	.180	.690	.008	.004	.230	.020	.040	.080	.020	
EK03ZP	M	.230	1.060	.033	.015	.280	.020	.020	.030	< .010	.0420

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EJ03JP	.0050	< .010	<.0005	<.0100	<.010	.003	<.002	.002	<.050	.325
EB03AB		< .010	<.0005	<.0100	<.010	.007	<.002	<.001	<.050	.351
RE03HY		.001	.0001		.001					.319
EK03ZP		< .010	<.0005	<.0100	<.010	.003	<.002	.002	<.050	.419

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EJ03JP	73.1	L		47.2	30.0	62.0	134
EB03AB	83.6	L		48.6	34.0	69.0	134
RE03HY	70.0			47.2	44.0		174
EK03ZP	80.3	T		52.2	23.0		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EJ03JP						
EB03AB						
RE03HY						
EK03ZP						

Test: M=Mill Product

Type: L=Longitudinal 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.