

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

BPCS

Order Number: 6160

(266378-007) DOC #00130303 03/06/10 Date: 06/11/03

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO 66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN EOO DE 54940

Ship to: TUBOS CONEXIONES Y TANQUES 001
 C/O SPECIALIST IN TRANSIT FWR
 1801 MARKLEY - MODERN IND PARK
 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications			
EC03AT ✓	3	12 X 8 STD ECC A106-B 48/99775	A/SA 234 - 01	WPB	NACE MR0175
EE02TV ✓	25	8 STD CAP A516-70 106/A1Y2244	A/SA 234 - 01	WPB	NACE MR0175
EC03XO ✓	10	16 STD CAP A516-70 117/B2L733	A/SA 234 - 01	WPB	NACE MR0175
EA02TD ✓	3	18 XH CAP A516-70 106/B1W7099	A/SA 234 - 00	WPB	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC03AT	M	.180	.610	.012	.008	.280	.050	.030	.040	.020	.0190
EE02TV	M	.230	.980	.015	.004	.210	.110	.050	.020	.010	.0240
EC03XO	M	.200	.980	.015	.006	.240	.260	.100	.070	.020	.0300
EA02TD	M	.230	1.100	.009	.006	.200	.160	.060	.050	.010	.0260

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC03AT	.0057	< .010	<.0005	<.0100	<.010	.004	<.002	<.001	<.050	.300
EE02TV	.0090	.010	.0005	.0100	.010	.006	.002	.001	.050	.411
EC03XO		< .010	<.0005	.0200	<.010	.010	<.002	.001	<.050	.407
EA02TD	.0080	.010	.0005	.0100	.010	.008	.002	.001	.050	.441

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC03AT	75.1	L		46.8	31.0	71.0	137
EE02TV	78.8	T		52.0	32.0	61.0	152
EC03XO	82.6	T		57.3	31.0	55.0	163
EA02TD	81.5	T		56.0	36.0	67.0	159

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC03AT						
EE02TV						
EC03XO						
EA02TD						

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.
 /S/ Glinda LaFleur