

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 7027

(270473-003) DOC #00139320 03/10/28 Date: 10/29/03

Sold to: TUBOS CONEXIONES Y TANQUES
VALLE DE LAS ALAMEDAS NO 66 B
SAN FRANCISCO CHILPAN
TULTITLAN EOO DE MEX 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
EG03FX	2	12 X 8 STD ECC A/SA 234 - 01 WPB A106-B 48/11393 NORM. 1650 NACE MR0175
EC03AY	5	16 X 12 STD ECC A/SA 234 - 01 WPB A106-B 9/A60163 NORM. 1650 NACE MR0175
EL02PF	3	16 X 14 STD ECC A/SA 234 - 01 WPB A106-B 9/A40865 NORM. 1650 NACE MR0175
EC03XO	5	18 STD CAP A/SA 234 - 01 WPB A516-70 117/B2L733 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EG03FX	M	.180	.980	.013	.007	.240	.130	.080	.070	.040	.0220
EC03AY	M	.190	.710	.013	.007	.220	.030	.050	.090	.020	.0300
EL02PF	M	.170	.800	.007	.009	.210	.020	.040	.040	.010	.0270
EC03XO	M	.200	.980	.015	.006	.240	.260	.100	.070	.020	.0300

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EG03FX		< .010	<.0005	<.0100	<.010	.009	<.002	.002	<.050	.381
EC03AY	.0050	< .010	<.0005	<.0100	<.010	.003	<.002	<.001	<.050	.337
EL02PF	.0050	< .010	<.0005	<.0100	<.010	.002	<.002	<.001	<.050	.319
EC03XO		< .010	<.0005	.0200	<.010	.010	<.002	.001	<.050	.407

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EG03FX	82.4	L		51.4	34.0	75.0	140
EC03AY	70.0	L		44.4	38.0	69.0	134
EL02PF	76.9	L		44.3	37.0	77.0	121
EC03XO	82.6	T		57.3	31.0	55.0	163

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EG03FX						
EC03AY						
EL02PF						
EC03XO						

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