

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 300000010 (281505-001) DOC #00163719 04/10/29 Date: 10/31/04

Sold to: PLESA ANAHUAC Y CIAS S. A. DE VALLE DE LAS ALAMEDAS NO 66-0
 SAN FRANCISCO CHILPAN TULTITLAN EOO DE MEX 54940

Ship to: PLESA ANAHUAC Y CIAS 001
 C/O SPECIALIST IN TRANSIT FWR
 1801 MARKLEY - MODERN IND PARK
 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EB04RC	100	2 1/2 STD TEE A/SA 234 - 01 WPB A106-B 9/A63133 NORM. 1650 NACE MR0175
EH03GT	100	2 1/2 STD TEE A/SA 234 - 01 WPB A106-B 9/A62280 NORM. 1650 NACE MR0175
EE04BK	100	2 STD TEE A/SA 234 - 03 WPB A106-B 55/30198 NORM. 1650 NACE MR0175
EF04DR	100	3 STD TEE A/SA 234 - 03 WPB 106-B 55/59134 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EB04RC	M	.180	.690	.013	.006	.230	.040	.060	.080	.020	.0200
EH03GT	M	.210	.690	.015	.012	.230	.020	.030	.050	.020	.0280
EE04BK	M	.190	.720	.015	.012	.290	.030	.020	.030	.020	.0130
EF04DR	M	.200	.700	.013	.010	.300	.060	.040	.040	.010	.0130

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EB04RC	.0050	< .010	<.0005	<.0100	<.010	.004	<.002	<.001	<.050	.323
EH03GT	.0060	< .010	<.0005	<.0100	<.010	.003	<.002	.005	<.050	.344
EE04BK		< .010	<.0005	<.0100	<.010	.003	<.002	<.001	<.050	.325
EF04DR	.0032	< .010	<.0005	<.0100	<.010	.005	.002	<.001	<.130	.335

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EB04RC	68.7	L		45.5	32.0	59.0	117
EH03GT	69.1	L		43.8	25.0	63.0	141
EE04BK	71.9	L		45.1	30.0	64.0	122
EF04DR	76.9	L		49.7	27.0	65.0	136

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EB04RC						
EH03GT						
EE04BK	.0					
EF04DR						

Test: M=Mill Product
 Type: L=Longitudinal

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