

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 100000403 (278917-009) DOC #00160864 04/09/20 Date: 09/21/04

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
EE04CH	50	3 XH TEE A/SA 234 - 03 WPB A106-B 55/31472 NORM. 1650 NACE MR0175
EF04DR	100	3 STD TEE A/SA 234 - 03 WPB 106-B 55/59134 NORM. 1650 NACE MR0175
EC04VF	10	16 STD CAP A/SA 234 - 01 WPB A516-65 117/E4C006 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EE04CH	M	.180	.750	.013	.012	.290	.060	.030	.040	.020	.0120
EF04DR	M	.200	.700	.013	.010	.300	.060	.040	.040	.010	.0130
EC04VF	M	.160	1.010	.018	.017	.180	.270	.110	.100	.020	.0210

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EE04CH		< .010	<.0005	<.0100	<.010	.005	<.002	<.001	<.050	.325
EF04DR	.0032	< .010	<.0005	<.0100	<.010	.005	.002	<.001	<.130	.335
EC04VF		< .010	<.0005	.0200	<.010	.010	.004	<.001	<.050	.379

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EE04CH	73.1	L		48.1	33.0	68.0	126
EF04DR	76.9	L		49.7	27.0	65.0	136
EC04VF	75.2	T		49.9	30.0	66.0	143

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EE04CH						
EF04DR						
EC04VF						

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