

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 300000010 (281505-012) DOC #00163719 04/10/29 Date: 10/31/04

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to: PLESA ANAHUAC Y CIAS 001
 VALLE DE LAS ALAMEDAS NO 66-0 C/O SPECIALIST IN TRANSIT FWR
 SAN FRANCISCO CHILPAN 1801 MARKLEY - MODERN IND PARK
 TULTITLAN EOO DE MEX 54940 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EL03LA	3	14 X 10 STD ECC A/SA 234 - 01 WPB A106-B 140/P223897 NORM. 1650 NACE MR0175
EF04VX	5	12 XH CAP A/SA 234 - 03 WPB A516-70 154/4103254 NORM. 1650 NACE MR0175
EG04VZ	15	18 STD CAP A/SA 234 - 87 WPB A516-70 154/4103587 NORM. 1650 NACE MR0175
EE04VR	100	3 STD CAP A/SA 234 - 03 WPB A516-65 117/E4E029 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EL03LA	M	.220	.510	.014	.020	.190	.030	.030	.020	< .010	.0140
EF04VX	M	.170	1.050	.013	.012	.200	.290	.090	.090	< .010	.0170
EG04VZ	M	.169	1.000	.010	.010	.190	.270	.090	.110	.010	.0180
EE04VR	M	.150	.900	.013	.011	.180	.290	.120	.120	.030	.0120

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EL03LA		< .010	<.0005	<.0100	<.010	.003	<.002	.001	<.050	.317
EF04VX		< .010	<.0005	<.0100	<.010	.011	<.002	.001	<.050	.392
EG04VZ		< .010	<.0005	<.0100	<.010	.010	.002	<.001	<.050	.385
EE04VR		< .010	<.0005	.0200	<.010	.010	.004	<.001	<.050	.359

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EL03LA	79.9	E		44.6	31.0	63.0	136
EF04VX	79.1	T		51.1	33.0	66.0	142
EG04VZ	89.6	T		54.5	33.0	72.0	156
EE04VR	74.8	T		52.6	26.0	60.0	136

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EL03LA						
EF04VX						
EG04VZ						
EE04VR						

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