

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

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Order Number: 7816

Date: 03/10/04

Sold to: FERRETERA ANAHUAC, SA DE CV Ship to:
 VALLE DE LAS ALAMEDAS NO 66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN EOO DE 54940

Heat Code	Quantity	Description / Specifications			
EF03DV	10 X 8 STD ECC	A/SA 234 - 01	WPB		
	A106-B 7/R40345	NORM. 1650			NACE MR0175
EM03MM	14 X 12 STD ECC	A/SA 234 - 01	WPB		
	A106-B 140/P221840	NORM. 1650			NACE MR0175
EJ03ZE	24 STD CAP	A/SA 234 - 01	WPB		
	A516-70 154/3101775	NORM. 1650			NACE MR0175
EH03IC	6 X2 STD RED TEE	A/SA 234 - 01	WPB		
	A106-B 48/11314	NORM. 1650			NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EF03DV	M	.170	.620	.003	.004	.240	.080	.050	.040	.010	.0350
EM03MM	M	.220	.490	.007	.016	.240	.020	.030	.020	< .010	.0230
EJ03ZE	M	.170	.980	.017	.007	.210	.150	.070	.070	.010	.0270
EH03IC	M	.180	1.030	.020	.009	.230	.120	.100	.070	.040	.0210

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EF03DV	.0088	< .010	<.0005	.0300	<.010	.006	.002	.001	<.050	.293
EM03MM		< .010	<.0005	<.0100	<.010	.002	<.002	.002	<.050	.312
EJ03ZE		< .010	<.0005	<.0100	<.010	.010	.002	.002	<.050	.365
EH03IC		< .010	<.0005	<.0100	<.010	<.008	<.002	.002	.050	.390

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EF03DV	74.5	L		41.8	34.0	73.0	107
EM03MM	74.2	L		44.2	36.0	65.0	136
EJ03ZE	76.1	T		54.1	33.0	63.0	128
EH03IC	76.1	L		49.2	36.0	71.0	121

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EF03DV						
EM03MM						
EJ03ZE						
EH03IC						

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.