

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: 14040

(242596-001) INV #00091142 01/07/18 Date: 07/19/01

Sold to: FERRETERA ANAHUAC, S.A. DE C.V Ship to: FERRETERA ANAHUAC, S.A. DE0001
 VALLE DE LAS ALAMEDAS NO.66 B C/O SPECIALIST IN TRANSIT FWR
 SAN FRANCISCO CHILPAN 1801 MARKLEY MODERN IND. PARK
 TULTITLAN, EOO. DE MEXICO LAREDO TX 78041

Heat Code	Quantity	Description / Specifications	
MP13	20	8 S/60 LR 90 DEG EL A/SA 234 - 95A WPB A106B Y28486 USS	NACE MR0175
EK00ZE	50	12 STD CAP A/SA 234 - 99 WPB A516-70 117/BOI732 NORM. 1650	NACE MR0175
ED00DW	25	6 X 4 STD ECC A/SA 234 - 99 WPB A106-B 66/54236K NORM. 1650	NACE MR0175
M2HX	20	10 X 8 STD ECC A/SA 234 - 00 WPB A106B 133/ 242UN NSS NORMALIZED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
MP13	M	.170	1.030	.008	.016	.200	.020	.020	.050	.010	
EK00ZE	M	.200	.960	.007	.003	.290	.220	.110	.070	.030	.0290
ED00DW	M	.190	.640	.008	.004	.290	.160	.040	.040	.010	.0110
M2HX	M	.150	.420	.008	.001	.280	.210	.090	.080	.020	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
MP13		.000	.0000		.002					.356
EK00ZE		.010	.0005	.0300	.010	.010	.003	.002	.050	.404
ED00DW		.010	.0005	.0100	.010	.013	.002	.002	.050	.321
M2HX		.001			.001					.260

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
MP13	69.4	L		44.4	42.8		197
EK00ZE	77.6	T		48.9	31.0	60.0	156
ED00DW	70.9	L		38.0	35.0	63.0	144
M2HX	67.0			48.2	30.0	64.0	197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
MP13						
EK00ZE						
ED00DW						
M2HX						

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