

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flc-Bend

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

Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 15523

Date: 05/09/01

Sold to: FERRETERA ANAHUAC, S.A. DE C.V ship to:
 VALLE DE LAS ALAMEDAS NO.66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN, EOO. DE MEXICO

Heat Code	Quantity	Description / Specifications	
KG01NW	2	X 1-1/2 STD TEE	A/SA 234 - 00 WPB
		A106B/009/E26955	STRESS RELIEVED
			NACE MR0175
KC02QF	6	X 4 STD TEE	A/SA 234 - 00 WPB
		A106B/007/090145	STRESS RELIEVED
			NACE MR0175
M2LZ	4	X 3 XH ECC	A/SA 234 - 00 WPB
		A106B 133/272UN	USS NORMALIZED
			NACE MR0175
M2WH	4	X 2 XH ECC	A/SA 234 - 00 WPB
		A106B 133/ 590UO (30)	AS ROLLED
			NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
KG01NW	M	.180	.740	.011	.009	.220	.020	.040	.080	.020	
KC02QF	M	.130	.670	.006	.004	.220	.120	.060	.060	.020	
M2LZ	M	.170	1.050	.008	.013	.230	.020	.010	.010	.000	
M2WH	M	.200	.620	.006	.007	.240	.140	.090	.100	.030	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Ce	Cs
KG01NW		.001			.001					.327
KC02QF		.002			.001					.270
M2LZ		.000			.002					.349
M2WH		.001			.001					.344

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (GD)	% RA	Hardness HB
KG01NW	71.0			48.6	35.0	99.9	139
KC02QF	62.1			40.1	37.0		117
M2LZ	74.5			54.5	37.0	74.0	197
M2WH	73.5			48.1	34.0		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later Expansion	% Shear
KG01NW						
KC02QF						
M2LZ						
M2WH						

Test: M=Mill Product

Type:

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