

**CERTIFIED MATERIAL TEST REPORT**

Trinity Fitting Group Inc.

Hackney \* Ladish \* Flo-Bend

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

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

Order Number: 15395

(252322-001) INV #00107726 02/03/28 Date: 03/29/02

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			
EE01SP	6	18 X 12 STD CON A106-B 9/B25848	A/SA 234 - 00	WPB	NACE MR0175
EK00KI	3	24 X 20 STD CON A106-B 9/A03530	A/SA 234 - 99	WPB	NACE MR0175
EG01XP	15	24 STD CAP A516-70 117/A1F128	A/SA 234 - 00	WPB	NACE MR0175
RG01JW	2	18 STD LR 90 DEG EL A106B 57 91193	A/SA 234 - 99	WPB	NACE MR0175
			AS ROLLED		

**Chemical Analysis**

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EE01SP	M	.170	.730	.006	.007	.230	.020	.030	.050	.010	.0270
EK00KI	M	.210	.690	.006	.005	.230	.020	.020	.050	.010	.0250
EG01XP	M	.200	1.030	.007	.003	.260	.190	.120	.110	.040	.0260
RG01JW	M	.190	.680	.005	.022	.280	.073	.040	.020	.007	.0210

**Chemical Analysis (cont.)**

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EE01SP	.0000	.010	.0005	.0100	.010	.003	.003	.003	.050	.308
EK00KI	.0040	.010	.0005	.0100	.010	.002	.002	.004	.050	.341
EG01XP		.010	.0005	.0300	.010	.014	.007	.003	.050	.424
RG01JW		.000	.0000		.000	.003				.316

**Physical Properties**

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EE01SP	71.2	L		42.7	37.0	71.0	141
EK00KI	66.0	L		41.9	31.0	63.0	125
EG01XP	81.0	T		49.2	30.0	71.0	137
RG01JW	71.7			46.5	42.0		197

**Charpy Results**

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EE01SP						
EK00KI						
EG01XP						
RG01JW						

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