

**CERTIFIED MATERIAL TEST REPORT**  
**Hackney Ladish Inc.**

P.O. Box 803466 - 5495 Beltline Rd. #290 - Dallas, TX 75254  
 Phone: (800) 527-4500 Fax: (214) 269-5601

Order Number: 1989

Date: 11/10/06

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to:  
 VALLE DE LAS ALAMEDAS NO 66-0  
 TULTITLAN MX 54940

Heat Code	Quantity	Description / Specifications
K06KCL1		18 X 12 STD TEE A/SA 234 - 06 WPB (SMLS) NACE MR0175
		TRI-Y56 61 965077 HOT FORMED
H06CL1		18 XH CAP A/SA 234 - 06 WPB (SMLS) NACE MR0175
		A516-70 173 811T08800 HOT FORMED

**Chemical Analysis**

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
K06KCL1	M	.178	1.100	.013	.001	.250	.070	.050	.070	.020	.0230
H06CL1	M	.180	1.060	.014	.005	.347	.258	.150	.030	.008	.0350

**Chemical Analysis (cont.)**

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
K06KCL1	.0055	.030								.385
H06CL1	.0050	.001	.0002	.0030	.003	.002				.391

**Physical Properties**

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
K06KCL1	71.6	L		48.4	45.0		143
H06CL1	76.3			55.7	50.0		156

**Charpy Results**

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
K06KCL1						
H06CL1						

Test: M=Mill Product  
 Type: L=Longitudinal

We certify that the material herein described has been manufactured in accordance with the above standards and specifications and satisfies all the requirements of the latest editions unless otherwise noted. We certify these 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