

CERTIFIED MATERIAL TEST REPORT
 Hackney Ladish Inc.

No. 5334 P. 3

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

Order Number: 1989

Date: 10/04/06

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
E06WX1	12	XH CAP A/SA 234 - 06 WPB (SMLS)
E06WL	14	XH CAP A/SA 234 - 06 WPB (SMLS) NACE MR0175
F06AKS	4	STD CAP A/SA 234 - 06 WPB (SMLS) NACE MR0175
E06WX1	8	XH CAP A/SA 234 - 06 WPB (SMLS) NACE MR0175
	173	161P32920 HOT FORMED NACE MR0175
	173	161P24410 HOT FORMED NACE MR0175
	154	A6R1632 STRESS RELIEVED NACE MR0175
	173	161P32920 HOT FORMED NACE MR0175

Heat Code	Test	Chemical Analysis									
		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
E06WX1	M	.170	1.080	.008	.007	.358	.255	.190	.020	.003	.0410
E06WL	M	.150	1.070	.007	.002	.364	.232	.170	.020	.003	.0340
F06AKS	M	.218	1.047	.009	.007	.168	.220	.090	.070	.020	.0270
E06WX1	M	.170	1.080	.008	.007	.358	.255	.190	.020	.003	.0410

Heat Code	Chemical Analysis (cont.)									
	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
E06WX1		.001		.0030	.001					.384
E06WL	.0030	.001	.0001	.0020	.001	.003				.369
F06AKS	.0090	.002	.0002	.0020	.000	.010				.431
E06WX1		.001		.0030	.001					.384

Heat Code	Physical Properties					
	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	Hardness HB
E06WX1	75.5			51.0	43.0	156
E06WL	75.2			49.7	42.0	156
F06AKS	75.8	T		53.6	31.0	160
E06WX1	75.5			51.0	43.0	156

Heat Code	Charpy Results			
	Size x 10mm	Type	Temp. (F)	Foot Pounds Later. Expansion % Shear
E06WX1				
E06WL				
F06AKS				
E06WX1				

Test: M=Mill Product
 Type: T=Transverse

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