

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: 1699

Date: 10/19/06

Sold to: FERRETERA ANAHUAC, SA DE CV Ship to:
VALLE DE LAS ALAMEDAS NO 66 B
SAN FRANCISCO CHILPAN
TULTITLAN EOO DE 54940

Heat Code	Quantity	Description / Specifications		
B06FC		10 XH CAP	A/SA 234 - 05A WPB (SMLS)	
		A572-01 142 255674	HOT FORMED	NACE MR0175
D06NX		10 XH CAP	A/SA 234 - 05A WPB (SMLS)	
		A516-70 164 338D38630	HOT FORMED	NACE MR0175
B06GH1		16 XH CAP	A/SA 234 - 05A WPB (SMLS)	
		A516-70 164 713P66990	HOT FORMED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
B06FC	M	.200	1.060	.010	.007	.200	.060	.030	.020	.002	.0600
D06NX	M	.160	1.100	.010	.004	.360	.250	.190	.020	.004	.0410
B06GH1	M	.180	1.020	.009	.007	.310	.280	.200	.030	.010	.0380

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
B06FC		.028								.392
D06NX		.001		.0010	.001					.377
B06GH1	.0060	.004	.0001	.0020	.001	.002				.390

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
B06FC	81.2			65.2	32.0		167
D06NX	75.2			47.7	42.0		156
B06GH1	77.2			45.4	43.0		163

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
B06FC						
D06NX						
B06GH1						

Test: M=Mill Product

Type:

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.