

Ind. Maass de Mexico S.A. de C.V.
 Carretera Presa La Amistad Km. 7, Cd. Acuna, Coahuila Mexico 26220
 Phone 877-3-06-20 Fax 877-3-06-22
 MILL TEST REPORT

12/13/05

SOLD: WILHELM MAASS INTERNATIONAL, S DE RL DE CV
 TO:

CUST P.O.#: 0336-05

ORDER#: 1856

ITEM	QTY	HEATCODE	DESCRIPTION	MATERIAL
1	57	E40811	.75 150 RF SO 316/316L	SA-182 F316/316L
2	43	E41204	.75 150 RF SO 316/316L	SA-182 F316/316L
3	150	E51269	2 150 RF SO 316/316L	SA-182 F316/316L
4	650	E51269	1.5 150 RF SO 316/316L	SA-182 F316/316L
5	530	E51109	1 150 RF SO 316/316L	SA-182 F316/316L
6	534	E51007	.5 150 RF SO 316/316L	SA-182 F316/316L
7	47	E51312	1 150 RF SO 316/316L	SA-182 F316/316L
8	92	E50846	1 150 RF SO 316/316L	SA-182 F316/316L

ITM	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu	Ti
1	.022	1.640	.030	.029	.320	10.130	16.730	2.070	.077	.000	.000
2	.016	1.680	.030	.028	.360	10.140	17.030	2.080	.076	.000	.000
3	.020	1.590	.029	.025	.370	10.130	16.760	2.060	.077	.000	.000
4	.020	1.590	.029	.025	.370	10.130	16.760	2.060	.077	.000	.000
5	.020	1.580	.028	.024	.370	10.160	16.660	2.050	.085	.000	.000
6	.022	1.690	.028	.028	.330	10.120	16.840	2.100	.080	.000	.000
7	.021	1.670	.029	.022	.350	10.100	16.950	2.080	.078	.000	.000
8	.020	1.570	.027	.024	.320	10.040	16.780	2.050	.077	.000	.000

ITM	TENSILE	YIELD	ELONG.%	R of A %	BHN	CHARPY	Cb	OTHER
1	82600	39800	57.80	70.40	0	0	.000	
2	87800	42200	60.90	70.80	143	0	.000	
3	83000	40200	60.00	68.00	0	0	.000	
4	83000	40200	60.00	68.00	0	0	.000	
5	86400	46300	58.10	81.20	0	0	.000	
6	86800	47500	52.60	57.30	156	0	.000	
7	89900	43600	53.10	.00	0	0	.000	
8	80300	44000	60.00	.00	0	0	.000	

FORGING TEMP: MIN. 1925F(1050C)/HEAT TREATMENT: MIN. 1925F(1050C)/SOLUTION ANNEALED/WATER QUENCHED. MATERIAL MEETS NACE MRO-175 REQUIREMENTS. MATERIAL CONFORMS TO SPECIFICATIONS A/SA182M-98A

NOTES:

THIS IS TO CERTIFY THAT THE MATERIAL FURNISHED ON THIS REPORT COMPLIES IN ALL RESPECTS WITH THE SPECIFICATIONS INDICATED FOR EACH ITEM.

WE CERTIFY THAT ABOVE FIGURES ARE CORRECT IN ACCORDANCE WITH OUR RECORDS. REGISTERED TO ISO 9001:2000 BY TUV SAARLAND E.V.

Ind. Maass de Mexico S.A. de C. APPROVED BY [Signature]
 ADMINISTRATIVE ASS'T.