

Mill Test Report

Page 1

Issuing Date : 09/17/2005 B/L No. : 108691 Load No. : 110676 Our Order No. : 37800/3 Cust. Order No. : 1003010026

Vehicle No: **TPX 811255** Sold To : Dufenco Steel Inc
100 Matawan Road
Suite 400
MATAWAN, NJ 07747

Specification : 1.0000" x 72.000" x 240.000" Ship To : DUFENCO STEEL C/O PLESA ANAHUAC
Y CIAS
FOR FURTHERANCE INTO MEXICO
SPECIALIST IN TRANSIT FORWARDING
LAREDO TX
LECHERIA, MEX 54940

ASTM A36-05/ASTM A709 Grade 36-05/ASTM A283 Grade C-03

Marking :

Heat No	C	Mn	P	S	SI	Cu	NI	Cr	Mo	Alz	V	Nb	TI	N	Ca	B	Sn	Ceq	Pcm
5105976	0.18	0.85	0.013	0.009	0.09	0.27	0.11	0.09	0.01	0.037	0.009	0.007	0.001	0.0065	0.0043	0.0004	0.017	0.37	0.25

Plate Serial No	Pieces	Dir.	Tensile Test			Charpy Impacts			Size	Temp Ave.	Min Ave.
			(psi) Yield	(psi) Tensile	Elongation % in 2"	Elongation % in 8"	(%) shear 2	(%) shear 3			
5105976-01	1	T	42,600	69,700	20.8						
		T	49,100	72,700	25.9						
5105976-02	1	T	42,600	69,700	20.8						
		T	49,100	72,700	25.9						
5105976-03	2	T	42,600	69,700	20.8						
		T	49,100	72,700	25.9						
5105976-04	6	T	42,600	69,700	20.8						
		T	49,100	72,700	25.9						

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.

Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast as-rolled discrete plate.

Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+(Cr+Mo+V/5)+(Cu+Ni/15)

Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B

Melted and manufactured in the USA. ISO 9001-2000 certified (#12443-0) by SRI Quality System Registrar (#0985-09). PED 97/23/EC Compliant.

DIN 50049 3.1 BIEN 10204 3.1 B(2004) compliant. For ABS grades only. Quality Assurance certificate No. 03-MMPQA-182

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications.

T. A. Depreits, Metallurgist

09/20/2005 12:10:07 PM

Issuing Date : 09/17/2005 B/L No. : 108691 Load No. : 110676 Our Order No. : 3780514 Cust. Order No. : 1003010027

Vehicle No. : TTPX 811255

Specification : 1.5000" x 72.000" x 240.000" / 38mm x 1829mm x 6096mm

ASTM A36-05/ASTM A709 Grade 36-05/ASME SA36-03a

Sold To : Dufenco Steel Inc
100 Matawan Road
Suite 400
MATAWAN, NJ 07747

Ship To : DUFERCO STEEL C/O PLESA ANAHUAC
Y CIAS
FOR FURTHERANCE INTO MEXICO
SPECIALIST IN TRANSIT FORWARDING
LAREDO TX
LECHERIA, MEX 54940

Marking :

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Alz	V	Nb	Ti	N	Ca	B	Sn	CEQ	PCM
5105960	0.18	0.89	0.011	0.004	0.19	0.26	0.11	0.09	0.01	0.029	0.009	0.008	0.002	0.0021	0.0004	0.015	0.38	0.26	
5105969	0.19	0.89	0.012	0.005	0.18	0.30	0.12	0.11	0.01	0.018	0.009	0.007	0.002	0.0081	0.0011	0.0003	0.013	0.39	0.27

Plate Serial No	Pieces	Dir.	Tensile Test			Charpy Impacts			Min Ave.
			(psi) Yield	(psi) Tensile	Elongation % in 2"	(%) shear 1	(%) shear 2	(%) shear 3	
5105958-08	4	T	47,700	73,900	20.0				
		T	40,800	70,500	23.6				
5105960-10	4	T	45,100	72,100	20.8				
		T	43,400	70,400	19.0				
5105960-11	3	T	45,100	72,100	20.8				
		T	43,400	70,400	19.0				
5105969-09	3	T	48,800	74,000	22.1				
		T	42,400	70,700	22.0				
5105969-10	3	T	48,800	74,000	22.1				
		T	42,400	70,700	22.0				

Manufactured to fully killed fine grain practice by Electric Arc Furnace. Welding or weld repair was not performed on this material.
Mercury has not been used in the direct manufacturing of this material. Produced as continuous cast as-rolled discrete plate.
Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((C+Mo+V)/5)+((Cu+Ni)/15)
Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
Melted and manufactured in the USA. ISO 9001-2000 certified (#12443-0) by SRI Quality System Registrar (#0985-09). PED 97/23/IEC Compliant.
DIN 50049 3.1, B/EN 10204 3.1 B1(2004) compliant. For ABS grades only. Quality Assurance certificate No. 03-MM/PGA-182

We hereby certify that the contents of this report are accurate and correct. All test results and operations performed by the material manufacturer are in compliance with the applicable specifications.

T. A. DePrentis, Metallurgist

09/20/2005 12:10:07 PM

Mill Test Report
Page 3

Issuing Date : 09/17/2005 B/L No. : 108691 Load No. : 110676 Our Order No. : 37805/4 Cust. Order No. : 1003010027
 Vehicle No. : TTPX 811255 Sold To : Dufenco Steel Inc 100 Matawan Road Suite 400 MATAWAN, NJ 07747
 Specification : 1.5000" x 72.000" x 240.000" / 38mm x 1829mm x 6096mm
 ASTM A36-05/ASTM A709 Grade 36-05/ASME SA36-03a

Ship To : DUFENCO STEEL C/O PLESA ANAHUAC
 Y CIAS
 FOR FURTHERANCE INTO MEXICO
 SPECIALIST IN TRANSIT FORWARDING
 LAREDO TX
 LECHERIA, MEX 54940

Marking :

Heat No	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Alz	V	Nb	Ti	N	Ca	B	Sn	CEQ	PCM
5105958	0.18	0.91	0.011	0.003	0.19	0.20	0.09	0.10	0.01	0.040	0.010	0.008	0.002	0.0074	0.0017	0.0005	0.014	0.38	0.26
5105960	0.18	0.89	0.011	0.004	0.19	0.26	0.11	0.09	0.01	0.029	0.009	0.008	0.002	0.0021	0.0004	0.015	0.38	0.26	
5105969	0.19	0.89	0.012	0.005	0.18	0.30	0.12	0.11	0.01	0.018	0.009	0.007	0.002	0.0081	0.0011	0.0003	0.013	0.39	0.27

Metric Results	Plate Serial No	Pieces	Dir.	Tensile Test			Elongation			Charpy Impacts											
				(MPa) Yield	(MPa) Tensile	(MPa) Yield	% in 2"	% in 8"	(%) Shear	(%) Shear	(%) Shear	Size	Temp	Min Ave.							
	5105958-08	4	T	329	510	20.0															
			T	281	486	23.6															
	5105960-10	4	T	311	497	20.8															
			T	299	485	19.0															
	5105960-11	3	T	311	497	20.8															
			T	299	485	19.0															
	5105969-09	3	T	336	510	22.1															
			T	292	487	22.0															
	5105969-10	3	T	336	510	22.1															
			T	292	487	22.0															

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Yield by 0.5EUL method unless otherwise specified. Ceq = C+(Mn/6)+((C+Mo+V)/5)+((Cu+Ni)/15)

Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+Sb

Melted and manufactured in the USA. ISO 9001:2000 certified (#12443-0) by SRI Quality System Registrar (#0985-09). PED 97/23/EC Compliant.

DIN 50049 3.1/EN 10204 3.1 B(2004) compliant. For ABS grades only. Quality Assurance certificate No. 03-MMPQA-182

T. A. Depritis, Metallurgist

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