



UNITED STATES STEEL

TUBULAR PRODUCTS
 CERTIFIED TEST REPORT
 (IN ACCORDANCE WITH ISO 10474/EN10204/DIN50049 "type 3.1")

DATE: 05/11/11
 TIME: 09:56:05
 SERIAL NO: F0064862

MILL ORDER/ITEM NO DR00845 01		SHIPPERS NO.		P.O. NUMBER 109389-00		VEHICLE ID												
SOLD TO ADDRESS				MAIL TO ADDRESS				VENDOR USS TUBULAR PRODUCTS USS FAIRFIELD WORKS P.O. BOX 599 FAIRFIELD ALABAMA 35064										
SPECIFICATION AND GRADE PRESSURE PIPE CARBON SMLS HF ASTM A333-*10 GRADE 1 ASTM A333-*10 GRADE 6 ASME SA333-*2010 EDITION GRADE 1 ASME SA333-*2010 EDITION GRADE 6 ASTM A106-*08 ASME SA106-*2010 EDITION GRADE B DUAL STENCIL 58000 PSI MAX YIELD BLK REG MILL COAT PE BEV 30 DEG MEETING ALL THE APPLICABLE REQUIREMENTS OF NACE STANDARD MR-01-75 *:2003/COR.1:2005 AND MR0103-2007																		
MATERIAL COND: NORMALIZE & TEMPER				O.D.: 8.625 (219.075)		In (mm)		WALL: 0.322 (8.178)		In (mm)								
PRODUCT IDENTIFICATION	TEST TYPE/ ORIENTATION	TEST COND.	GAUGE WIDTH IN	YIELD		EXT %	TENSILE		Y/T	ELONG % (IN 2")		HARDNESS SCALE: HRB		MIN HYDRO	DWELL(SEC)			
				PSI	PSI	.50	PSI	PSI		MIN:	MAX:	MIN:	MAX:	PSI				
U21050	STRIP/L/B	NR	1.5	MIN: 35,000	MAX: 58,000	.50	MIN: 60,000	MAX:	0.68	MIN: 35.0	MAX: 40.2	MIN: 76.3	MAX: 99.0	1960	5			
U21050	STRIP/L/B	NR	1.5	MIN: 50,500	MAX: 52,500	.50	MIN: 74,000	MAX: 76,000	0.69	MIN: 43.1	MAX: 43.1	MIN: 76.3	MAX: 99.0	1960	5			
** END OF DATA THIS SHEET **																		
LEGEND:		L - LONGITUDINAL U - UPSET		T - TRANSVERSE NM - NORMALIZED			QT - QUENCH & TEMPERED SR - STRESS RELIEVED			AR - AS ROLLED TR - THERMOMECHANICAL ROLLED			B - BODY		W - WELD.			
PRODUCT IDENTIFICATION	TYPE															C.E.*		
		C	MN	P	S	SI	CU	NI	CR	MO	AL	N	V	B	TI	CB	CO	MAX
U21050	HEAT	.22	1.08	0.08	0.04	.23	.04	.02	.05	.03	.025	0.08	.00					.42
U21050	PROD	.20	1.06	0.07	0.04	.23	.04	.02	.05	.03	.025	0.09	.00					.40
U21050	PROD	.20	1.07	0.05	0.03	.22	.03	.01	.06	.03	.026	0.07	.00					.40
** END OF DATA THIS SHEET **																		
*C.E. IS BASED ON THE FOLLOWING EQUATION(S): C.E. = C + MN/6 + (CR+MO+ V)/5 + (CU+NI)/15 <= 0.43																		

DECIMAL POSITIONS FOR ELEMENTS ARE INDICATED BY THE LEFT MARGIN, VERTICAL DOTTED LINE OR DECIMAL POINT.



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PRODUCT IDENTIFICATION	FLAT	BEND	GRAIN SIZE	MIN COLLAPSE	CHARPY V-NOTCH IMPACT TESTING																		
					DIR	TEST LOC.	TEMP	SIZE	TEST COND.	FT-LBS				% SHEAR									
U21050	OK																						
** END OF DATA THIS SHEET **																							
LEGEND L - LONGITUDINAL T - TRANSVERSE B - BODY W - WELD HAZ - HEAT AFFECTED ZONE																							
TESTING / INSPECTION INFORMATION																							
TEST / INSPECTION		YES		RESULTS / COMMENTS																			
FULL LENGTH VISUAL		X																					
FULL LENGTH EMI		X		OD _____ OD/D _____ X L _____ L/T _____ X 10.0/10.0% NOTCH																			
FULL LENGTH MPI																							
FULL LENGTH UT				ID _____ OD/D _____ L _____ L/T _____																			
END AREA INSPECTION (PLAIN END)		X		MPI _____ X UT _____																			
SPECIAL END AREA (SEA) INSP				MPI _____ UT _____																			
FULL LENGTH DRIFT				DRIFT MANDREL SIZE:																			
ADDITIONAL NOTES/COMMENTS																							
<p>ALL MELTING AND MANUFACTURING TOOK PLACE IN THE USA. MANUFACTURED IN AN ISO 9001 CERTIFIED FACILITY - CERTIFICATE #30727. NO REPAIRS BY WELDING. NO MERCURY OR MERCURY COMPOUNDS ARE ADDED TO THE STEEL AND ALL MERCURY ** END OF DATA **</p>																							

THIS IS TO CERTIFY THAT THE PRODUCT DESCRIBED HEREIN WAS MANUFACTURED, SAMPLED, TESTED AND/OR INSPECTED IN ACCORDANCE WITH THE SPECIFICATION AND FULFILLS THE REQUIREMENTS IN SUCH RESPECTS.

PREPARED BY THE OFFICE OF: J. MAJKRZAK - MANAGER, Q.A.

DATE 05/11/11