



UNITED STATES STEEL

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

DATE: 05/31/11  
 TIME: 10:24:16  
 SERIAL NO: F0065212

MILL ORDER/ITEM NO DR01217 01	SHIPPERS NO.	P.O. NUMBER 112032-00	VEHICLE I.D.
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.: 6.625 (168.275) In (mm) WALL: 0.280 ( 7.112) 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 PSI	DWELL(SEC)
				PSI	PSI	.50	PSI	PSI	MIN:	MAX:	MIN:	MAX:	
				MIN:	35,000		MIN:	60,000	MAX:	MIN:	35.0	2220	5
				MAX:	58,000		MAX:	78,000	0.71	MAX:	99.0	2220	5
U21197	STRIP/L/B	NR	1.5		55,000	.50		78,000	0.71		73.0	2220	5
U21197	STRIP/L/B	NR	1.5		54,500	.50		76,500	0.72		37.8		
** END OF DATA THIS SHEET **													

LEGEND: L - LONGITUDINAL T - TRANSVERSE QT - QUENCH & TEMPERED AR - AS ROLLED B - BODY W - WELD  
 U - UPSET NM - NORMALIZED SR - STRESS RELIEVED TR - THERMOMECHANICAL ROLLED

PRODUCT IDENTIFICATION	TYPE	C.E.*																
		C	MN	P	S	SI	CU	NI	CR	MO	AL	N	V	B	TI	CB	CO	MAX
U21197	HEAT	20	108	008	005	22	03	02	04	02	031	008	00					.40
U21197	PROD	19	109	011	006	21	03	02	04	02	028	009	00					.39
U21197	PROD	19	108	010	005	21	03	02	04	02	029	009	00					.39
** 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				
					DEG F				1	2	3	AVG	1	2	3	AVG	
U21197	OK				L	B	- 70	1/2	NR	34	34	25	31				
** 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/ID _____ X L _____ L/T _____ X 10.0/10.0% NOTCH											
FULL LENGTH MPI																	
FULL LENGTH UT						ID _____ OD/ID _____ 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 05/31/11