



UNITED STATES STEEL

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

DATE: 05/18/11
 TIME: 09:03:08
 SERIAL NO: L0036029

MILL ORDER/ITEM NO DR01493 01		SHIPPERS NO.		P.O. NUMBER 112529-00		VEHICLE I.D.														
SOLD TO ADDRESS				MAIL TO ADDRESS*				VENDOR USS TUBULAR PRODUCTS 2199 EAST 28TH ST. LORAIN, OH 44055												
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: FULL BODY NORMALIZED				O.D.: 3.500 (88.900)		In (mm)		WALL: 0.216 (5.486)		In (mm)										
PRODUCT IDENTIFICATION	TENSILE TEST TYPE/ ORIENTATION	TEST COND.	GAUGE WIDTH IN	YIELD		EXT % .50	TENSILE		Y/T	ELONG % (IN 2")		HARDNESS SCALE: HRB		MIN HYDRO PSI	DWELL(SEC)					
				MIN: 35000	MAX: 58000		MIN: 60000	MAX: 77000		MIN: 28.0	MAX: 99.5	MIN: 2500								
FA0920 N8744A	STRIP/L/B	NM	0.750	47700	.50	77000	0.62	34.0	B 78.3	2500	5									
FA0920 N8744A	STRIP/L/B	NM	0.750	50500	.50	78500	0.64	33.0												
** 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 *														MAX				
		C	MN	P	S	SI	CU	NI	CR	MO	AL	N	V	B	TI		CB	CO		
FA0920	HEAT	.19	1.04	0.14	0.04	.22	.13	.09	.08	.02	.034		.00	0000	.002	.000				.40
FA0920 N8744A	PROD	.14	1.01	0.12	0.05	.20	.15	.10	.07	.01	.027		.00	0003	.003	.001				.35
FA0920 N8744A	PROD	.14	1.01	0.11	0.04	.20	.14	.09	.07	.01	.027		.00	0003	.004	.001				.34
** END OF DATA THIS SHEET **																				
*C.E. IS BASED ON THE FOLLOWING EQUATION(S): CE=C+ (MN/6) + (CR+MO+V) /5+ (NI+CU) /15																				

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



UNITED STATES STEEL

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

DATE: 05/18/11
 TIME: 09:03:08
 SERIAL NO: L0036029

MILL ORDER/ITEM NO DR01493 01		SHIPPERS NO.		P.O. NUMBER 112529-00														
MATERIAL COND: FULL BODY NORMALIZED				O.D.: 3.500 (88.900)	In (mm)	WALL: 0.216 (5.486)	In (mm)											
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													
FA0920 N8744A	OK				L	B	- 60	1/2	NM	23	20	27	23	15	10	25	16	
** 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					OD	OD/D	L	LT										
FULL LENGTH MPI																		
FULL LENGTH UT					ID	OD/D	L	LT										
END AREA INSPECTION (PLAIN END)					MPI	UT												
SPECIAL END AREA (SEA) INSP					MPI	UT												
FULL LENGTH DRIFT					DRIFT MANDREL SIZE:													
ADDITIONAL NOTES/COMMENTS																		
MELTED AND MANUFACTURED IN THE USA. NO REPAIRS BY WELDING. NO MERCURY OR MERCURY COMPOUNDS ARE ADDED TO THE STEEL AND ALL MERCURY BEARING EQUIPMENT IS PROTECTED BY A DOUBLE BOUNDARY OF CONTAINMENT.																		

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: R. HARRIS - MANAGER, Q.A.

DATE 05/18/11

**