



UNITED STATES STEEL

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

DATE: 03/09/11
 TIME: 04:55:59
 SERIAL NO: L0035257

MILL ORDER/ITEM NO DR00782 02	SHIPPERS NO. R83543	P.O. NUMBER 111069-00	VEHICLE I.D. LT8271
SOLD TO ADDRESS		MAIL TO ADDRESS	
VENDOR USS TUBULAR PRODUCTS 2199 EAST 28TH ST. LORAIN, OH 44055			

SPECIFICATION AND GRADE
 PIPE CARBON SMLS STD PIPE API 5L-44TH ED DTD OCT 2007 AND ISO 3183:2007 MOD PSL-1 GRADE B AND GRADE X42 R N OR Q ASTM A53-07 ASTM A106-08 GRADE B QUAD STENCIL ASME SA53-2010 EDITION ASME SA106-2010 EDITION GRADE B CARBON EQUIVALENT IIW .43 MAX 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: AS ROLLED O.D.: 2.375 (60.325) in (mm) WALL: 0.218 (5.537) in (mm)

PRODUCT IDENTIFICATION	TENSILE TEST TYPE/ ORIENTATION	TEST COND.	GAUGE WIDTH IN	YIELD		TENSILE		Y/T	ELONG % (IN 2")	HARDNESS SCALE: HRB	MIN HYDRO PSI	DWELL (SEC)
				MIN: PSI	MAX: PSI	MIN: PSI	MAX: PSI					
				MIN: 42100	MAX: 50500	MIN: 70000	MAX: 79000	MAX: 0.64	MIN: 22.0	MIN: B 79.5	2970	5
HA0748	STRIP/L/B	AR	0.750	50500	.50	79000	0.64	31.0	B 79.5	2970	5	
HA0750	STRIP/L/B	AR	0.750	51500	.50	81500	0.63	32.0	B 81.6	2970	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.*																MAX							
		C	MN	P	S	SI	CU	NI	CR	MO	AL	N	V	B	TI	CB	CO								
HA0748	HEAT	20	102	010	004	19	13	07	09	02	022		00	0000	002	002									.41
HA0748	PROD	18	99	016	005	18	10	06	07	02	022		00	0003	001	001									.38
HA0748	PROD	19	100	016	005	18	11	07	07	02	022		00	0003	001	003									.38
HA0750	HEAT	20	102	009	006	21	13	10	05	02	028		00	0000	002	001									.40
HA0750	PROD	18	102	014	008	18	14	12	08	02	031		00	0003	002	003									.39
HA0750	PROD	17	101	015	008	19	12	09	05	02	028		00	0003	002	002									.36
** 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.



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MILL ORDER/ITEM NO DR00782 02		SHIPPERS NO. R83543		P.O. NUMBER 111069-00		0020545						
MATERIAL COND: AS ROLLED				O.D.: 2.375 (60.325)		In (mm) WALL: 0.218 (5.537)		In (mm)				
PRODUCT IDENTIFICATION	FLAT	BEND	GRAIN SIZE	MIN COLLAPSE	CHARPY V-NOTCH IMPACT TESTING							
					DIR	TEST LOC.	TEMP	SIZE	TEST COND.	FT-LBS		
					1	2	3	AVG	1	2	3	AVG
HA0748 HA0750					DEG							
					** 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/ID _____		L _____ LT _____				
FULL LENGTH MPI												
FULL LENGTH UT						ID _____ OD/ID _____		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												
<p>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.</p> <p>PRODUCT WAS HOT ROLLED AND HOT FINISHED</p> <p>PIPE ALSO MEET THE REQUIREMENTS OF ASTM A106 GRADE C & ASME SA106 GRADE C</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: R. HARRIS - MANAGER, Q.A.

DATE 03/09/11