



UNITED STATES STEEL

TUBULAR PRODUCTS
 CERTIFIED TEST REPORT
 (TYPE II - IN ACCORDANCE WITH ISO 30474/EN10204/DIN50044)

DATE: 08/22/07
 TIME: 11:38:45

MILL ORDER/ITEM NO. TW14085.01	SHIP HEAD NO. P72014	P.O. NUMBER 31665-00	INVOICE NO 0494026															
MATERIAL CONC. AS-ROLLED		OD: 6.625 (168.275)		WALL: 0.562 (14.27)		W (mm)												
PRODUCT IDENTIFICATION 22045 61644	FLAT OK OK	BEND	GRAIN SIZE	MIN COLLAPSE	DR	TEST LOC	TEMP	SIZE	TEST COND.	CHARPY V-NOTCH IMPACT TESTING								
										FT-LBS				% SHEAR				
										1	2	3	AVG	1	2	3	AVG	
							DEG F				11	11	11	15				
					L	B	+ 32	1/2	AR	58	58	61	56	48	50	50	47	
					L	B	+ 32	1/2	AR	49	48	57	51	50	50	50	50	

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 _____ OO/10 <u>X</u> L _____ L/T <u>X</u> 10.0/10.0% NOTCH
FULL LENGTH MPI		
FULL LENGTH UT		OD _____ OO/10 _____ L _____ L/T _____
END AREA INSPECTION (PLAIN END)		MPI _____ UT _____
SPECIAL END AREA (SEA) INSP.		MPI _____ UT _____
FULL LENGTH DRIFT		DRIFT MANDREL SIZE: _____

ADDITIONAL NOTES/COMMENTS

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 BEARING EQUIPMENT IS PROTECTED BY A DOUBLE BOUNDARY OF CONTAINMENT.
 01 MILL
 ALSO MEETS THE REQUIREMENTS OF ASTM A186-99/ASME SA186-1998 ED. 1999 GRADE C.
 MATERIAL WAS HOT FINISHED - NO HEAT TREATMENT.
 XX END OF DATA XX

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.T. CLAYTON - MANAGER, O.A.

DATE 08/22/07