


CTT Hartlepool
Material Test Certificate : E33703

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CUSTOMER CLEVELAND STEEL & TUBES LTD DALTON THIRSK NORTH YORKSHIRE YO7 3JN	CUSTOMER ORDER NO.	Date Items Received	18.11.09
	123311 (40)	Date Items Tested	24/25.11.09
	REFERENCE	QUANTITY	
	STOCK		
SAMPLES SUBMITTED ON BEHALF OF :- STOCK	CAST NO./CAST CODE	BATCH NO.	
	HEAT TREATMENT NO.	MATERIAL SUPPLIED	1 TEST PIECE
INSPECTION	DESCRIPTION		
LLOYDS	610mm OD x 33.5mm WT		
SPECIFICATION			
API 5L GR. X65/BS EN10210 S355 J2H			

MECHANICAL TESTS (Test Proc: ASTM A370-09, BS EN10002-1:2001)

SPECIMEN REF	Test Piece Dimensions mm			Stress MPA		RED of AREA %	ELONG % in A4	IMPACT TESTS 10x10x55mm 2mm V NOTCH TEST TEMP @ -20°C (Joules)	BEND/HARDNESS
	WIDTH	DIAM or THICK	AREA	MAX TENSILE	YIELD				
144549		5.03	19.87	541	510		35 30	287 - 289 - 290	N/A
SPECIFICATION		(S355)		490 - 630 MIN	345 MIN		22 MIN	27J MIN AVE	
		(X65)		535 MIN	450 MIN		15 MIN		

OTHER TESTS (Test Proc:

NOT APPLICABLE

CHEMICAL ANALYSIS (Test Proc: MSP 49)

SPECIMEN	C%	Si%	Mn%	S%	P%	Ni%	Cr%	Mo%	Cu%	Sn%	Nb%	V%
144549	0.04	0.32	1.36	<0.005	0.010	0.44	0.05	0.04	0.21	<0.01	0.041	<0.005
END OF TEST REPORT												

The Results Obtained Conform To Specification. The Results Relate Only To Test Items Supplied

COMMENTS

THE RESULTS OF THE ABOVE TESTS CONFORM TO API 5L GR.X65/BS EN10210 S355 J2H

DATE CERTIFIED

25.11.09

FOR CTT HARTLEPOOL

ROB WATERS
TEST ENGINEER

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