



Test Report

Testing Method : High Strain Test of Compression

Date : 2017/09/11

Client :

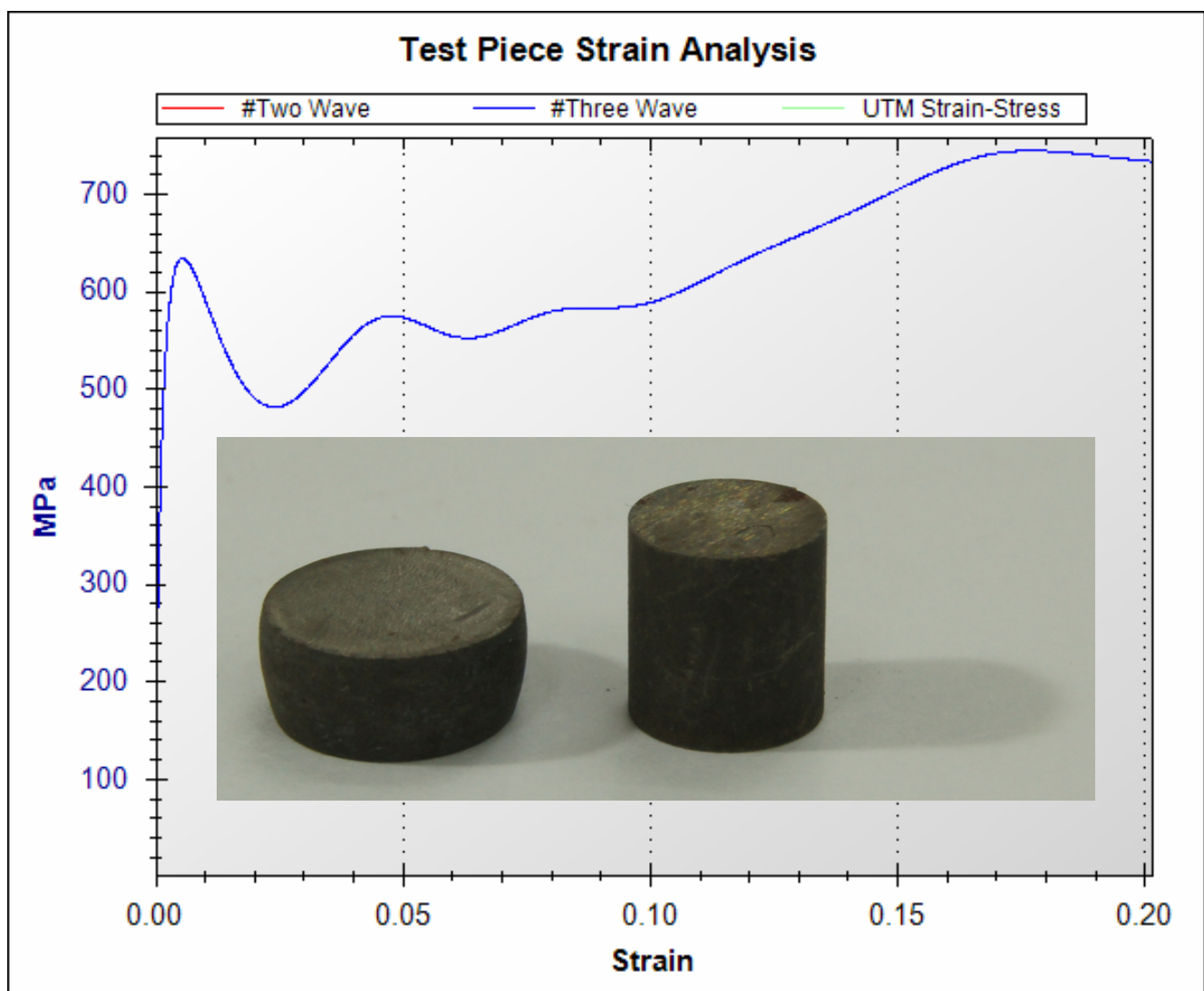
NO : AI171201

Instrument : SHB-P-12M Split Hopkinson Bar – Dynamic Compression Loading Unit

7211 Dynamic Strain Gage Amplifier

Material: HY-xxx Steel (Naval Construction)

Number #	Test Piece (D*L mm)		Striker Bar (m/sec)	Strain Rate (strain/sec)	Yielding Stress (MPa)	Compressive Stress (MPa)
#HV1-2	7.96	8.27	21	1460	630	599
#HV1-3			21	1496	634	583
#HV1-5			22	1440	634	593
Average				1465	633	592



#HV1-3



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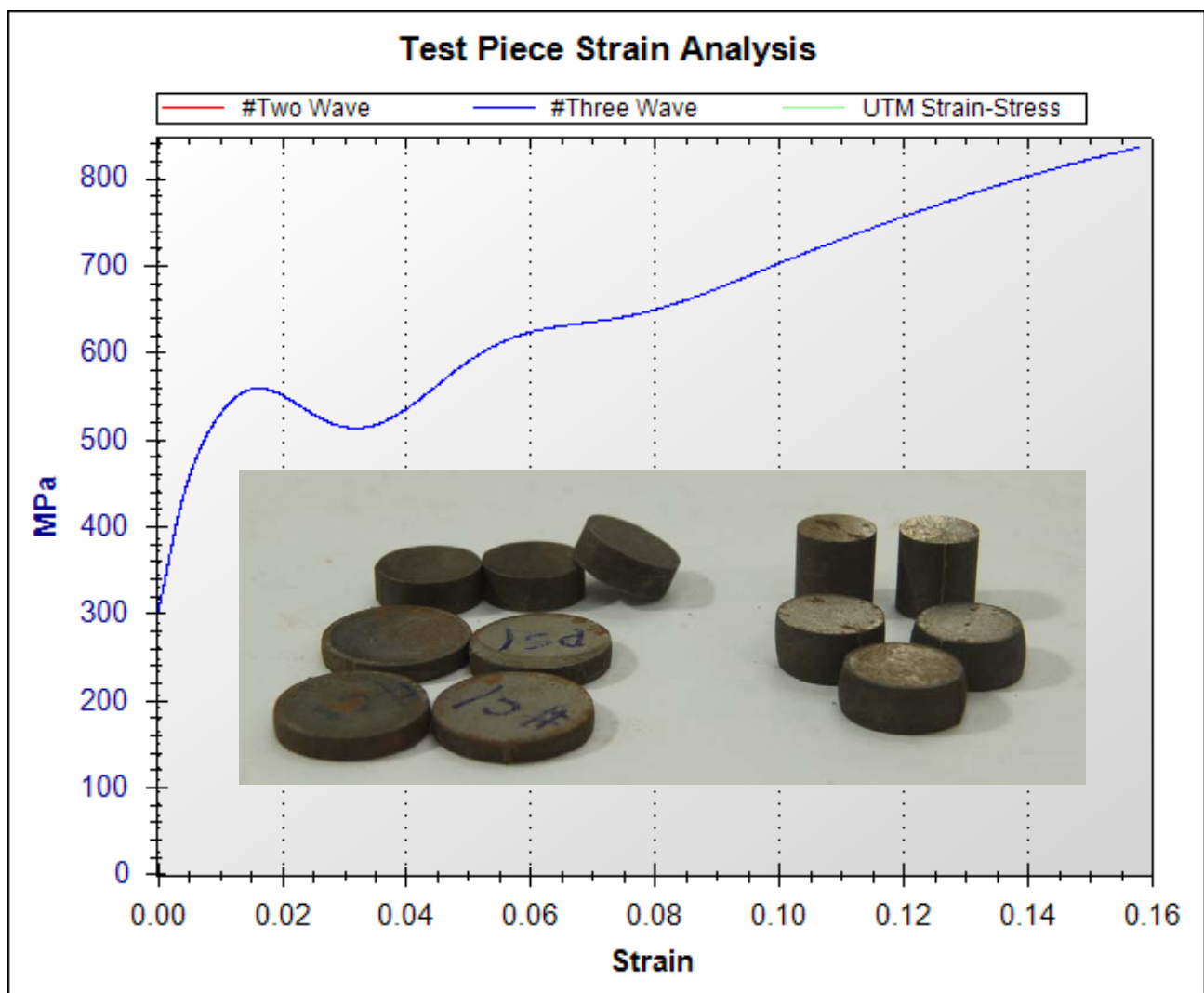
NO : AI171200

Instrument : SHB-P-12M Split Hopkinson Bar – Dynamic Compression Loading Unit

7211 Dynamic Strain Gage Amplifier

Material: HY-xxx Steel (Naval Construction)

Number #	Test Piece (D*L mm)		Striker Bar (m/sec)	Strain Rate (strain/sec)	Yielding Stress (MPa)	Compressive Stress (MPa)
#HV5-1	7.96	2.89	33	3562	577	674
#HV5-2			40	2957	534	720
#HV5-3			40	2742	586	740
#HV5-4			40	2807	558	717



#HV5-4