	PAGE NO.:
	Report 2- Onfaxfal Composession Test
	* Objective
	To perform compression test and determine
	1 17 10
	b) The young's Modulus of Alumineum in compression and the complete
	The compressive flow strength at around 10% strain of aluminium sample
	Experimental Methods:
	The Instruments used are
	a) The uneversal Testing Machine (UTM):
	This machine measures he load on the specimen during the experiment. The machine has
	two Mat platens on the top and bottom between which the sample is sandwiched load.
	cell 88 Interpreted with the top platen to calculate seaction tooce of the system. we
	rould gaput the limiting pasametes to be load or displacement as needed finally 95 has
	an output device to display the results
	b) Vernier Califer:
	Used to measure drameter of specimen before and alter compression
	g) Grenze: Used to reduce forcition and avoid buckling.
*	Results
	Compliance so the secreptocal of staffness, the property of being flexible and easy to distost.
	C= D&placement
	Load
	and spectmen are an sorter Constant College Chalens - Coperan -
	Man Man
	for steel: As = Cmachine + Lms Where Ims = 0.0100
	Tome Ame 8.4x10 mg
	True = 210 gta lead
	Go On calculating we find Slope of top of displacement vs - Onesalo 1.97x108 mn f
	[Condenc = 2065x10 8 mN]
	[1.95x10 ⁸ mN ¹]



