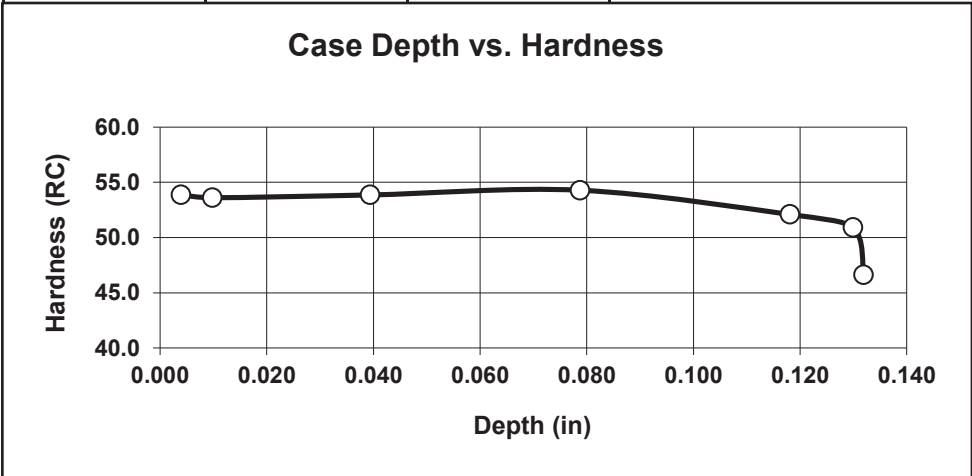


CASE DEPTH SURVEY REPORT

Date Run: March 13, 2017 Client: XXX P.O No: XXX Thermex Job No: 173XXX Material: AISI 1045 Sample No: 173XXX-2 Case Aim: 50 HRC; min. 3mm (0.118") Process: Induction Hardening	Test Method: ASTM E384/Vickers Load on Indenter: 500g Cal. Test Block S/N: 12297 Cal. Block Range: 504±19.6 HV Calibration: 505/507/509 HV Tester Name: Buehler Tester Model: Micromet 2003 Tester S/N: MX7090X
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Depth (mm)	Depth (in)	HV ₅₀₀	HRC as per ASTM E140
0.100	0.004	575	53.9
0.250	0.010	571	53.6
1.000	0.039	575	53.9
2.000	0.079	582	54.3
3.000	0.118	546	52.1
3.300	0.130	528	50.9
3.350	0.132	468	46.6



Comments: The test part was made of AISI 1045. The effective case depth (to 50 HRC) is about 3.300 mm (0.130").

TESTED BY: _____
P. Petkov

Date : **March 13, 2017**