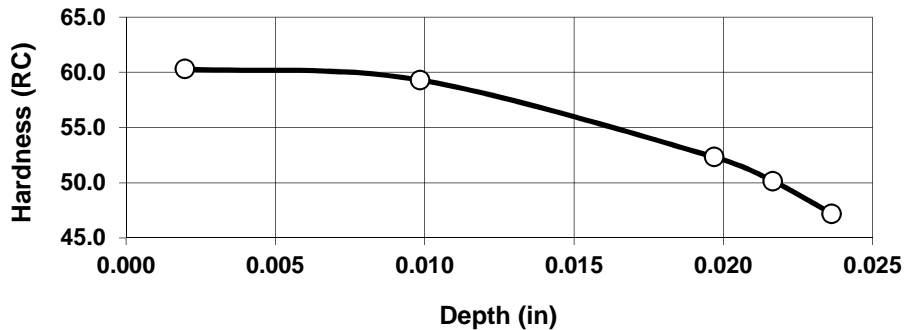


### CASE DEPTH SURVEY REPORT

Date Run: <b>March 14, 2017</b> Client: <b>xxx</b> P.O No: <b>xxx</b> Thermex Job No: <b>173xxx</b> Material: <b>AISI 8620</b> Sample No: <b>173xxx</b> Case Aim: <b>xxx</b> Process: <b>Gas Carburizing</b>	Test Method: <b>SAE J423</b> <b>ASTM E384/Vickers</b> Load on Indenter: <b>500g</b> Cal. Test Block S/N: <b>12297</b> Cal. Block Range: <b>504±19.6 HV</b> Calibration: <b>507/506/501 HV</b> Tester Name: <b>Buehler</b> Tester Model: <b>Micromet 2003</b>
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Depth (mm)	Depth (in)	HV <sub>500</sub>	HRC as per ASTM E140
0.050	0.002	702	60.3
0.250	0.010	679	59.3
0.500	0.020	550	52.3
0.550	0.022	517	50.2
0.600	0.024	476	47.2
<b>Core</b>			23.0
			23.5

**Case Depth vs. Hardness**



**Comments:** The test part was made of AISI 8620. The effective case depth is about 0.550 mm (0.022). Part # 69224-011-00001 (7FZP0074-1/1). Job P-21013-0 Heat # 120193.

TESTED BY: \_\_\_\_\_  
**P. Petkov**

Date Tested: **March 14, 2017**