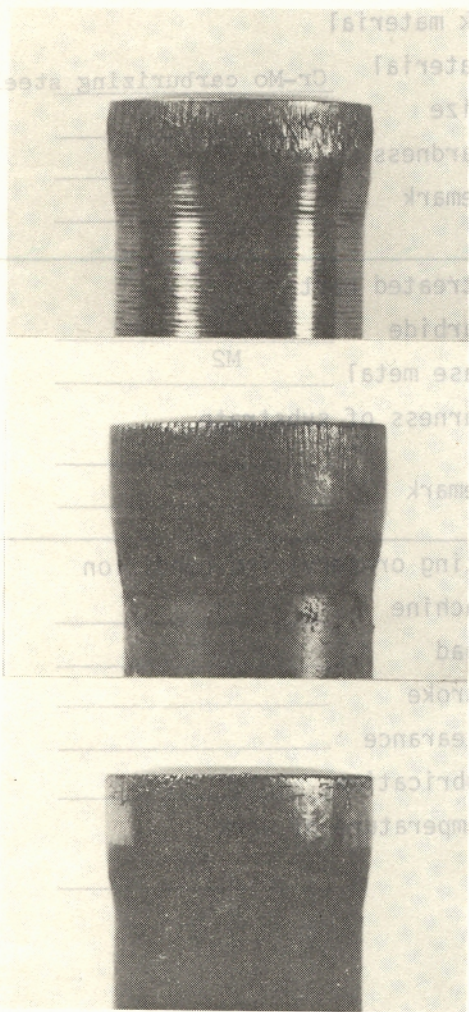
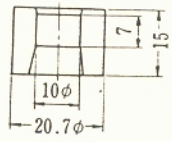
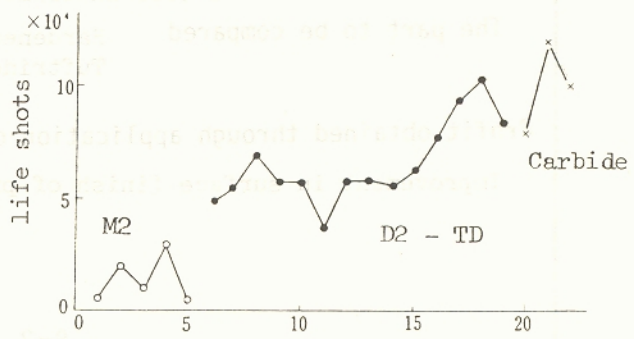


APPLICATION DATA

Name of part Piercing punch	Source A. Takahashi (Toyota Motor Corp.)
Mode of servicing Cold forging	Seminar in the Japan Soc. for Technology of Plasticity 7 Oct., 1976

	<p style="text-align: center;">Product</p>  <p style="text-align: center;">M2</p> <p style="text-align: center;">Appearance of punch point after 5,000 shots</p> <p style="text-align: center;">Carbide</p> <p style="text-align: center;">D2 - TD</p>	<p>Work material</p> <p>Material <u>Cr-Mo carburizing</u></p> <p>Size _____</p> <p>Hardness _____</p> <p>Remark _____</p> <hr/> <p>TD treated part</p> <p>Carbide <u>VC</u></p> <p>Base metal <u>D2</u></p> <p>Hardness of substrate _____</p> <p>Remark _____</p> <hr/> <p>Working or servicing condition</p> <p>Machine _____</p> <p>Load _____</p> <p>Stroke _____</p> <p>Clearance _____</p> <p>Lubrication _____</p> <p>Temperature of work _____</p>
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Result	Base metal, treatment and hardness of the part to be compared M2, hardened Cemented carbide
Life and other evidences	<p>TD part</p> <p>The part to be compared</p> <div style="text-align: center;">  </div>