

## 9. BIBLIOGRAPHY

1. American National Standards Institute (1991), Standard test method for abrasive wear resistance of cemented carbides, Philadelphia: *ASTM B611-85*, pp. 326-327.
2. Luyckx, S., Sacks, N., Love, A. (2007), Increasing the abrasion resistance without decreasing the toughness of WC-Co of a wide range of compositions and grain sizes, *International Journal of Refractory Metals & Hard Materials*, vol. 25, issue1, pp. 57-61.
3. Erling, G., Kursawe, S., Luyckx, S., Sockel, H.G. (2000), Stable and unstable fracture surface features in WC-Co, *Journal of material science letters*, vol. 19, pp. 437-438.
4. Farhat, Z.N. (2003), Microstructural characterization of WC-TiC-Co cutting tools during high-speed machining of P20 mold steel, *Material Characterization*, vol. 51, issues 2-3, pp. 117–130.
5. Sigl, L.S, Fischmeister, H.F. (1988), On the fracture toughness of cemented carbides, *Acta Metall.*, vol. 36, no.4, pp 887–897.
6. Luyckx, S.B., Sellschop, J.P.F. (1988), Wear mechanisms modification induced by ion implantation in cemented tungsten carbide, *Materials Science and Engineering*, vol. 105-106, part 2, pp. 509 - 512.
7. Du Randt, D., Luyckx, S., Markoulides, D., Nothrop, I.T., Whitefield, .J. (2000), A comparison between ultrafine WC-Co and fine WC-VC-Co alloys, *International Journal of Materials and Product Technology*, vol. 15, no's 3/4/5, pp 270-274.
8. Stott, F.H., Jordan, M.P. (2001), The effect of load and substrate hardness on the development and maintenance of wear-protective layers during sliding at elevated temperatures, *Wear*, vol. 250, issue 1-12, pp. 391-400.
9. Lee, K.H., Cha, S.I., Kim, B.K., Hong, S.H. (2006), Effect of WC/TiC grain size ratio on microstructure and mechanical properties of WC-TiC-Co cemented

## BIBLIOGRAPHY

---

- carbides, *International Journal of Refractory Metals and Hard Materials*, vol. 24, pp. 109-114.
10. Farhat, Z.N. (2003), Microstructure characterization of WC-TiC-Co cutting tools during high-speed machining of P20 mold steel, *Material Characterization*, vol. 51, issues 2-3, pp. 117-130.
  11. Sigl, L.S., Fischmeister, H.F. (1988), On the fracture toughness of cemented carbides, *Acta Metall.*, vol. 36, no. 4, pp. 887-897.
  12. Bahadur, S., Yang, C. (1996), Friction and wear behavior of tungsten and titanium carbide coatings, *Wear*, vol. 196, issues 1-2, pp. 156-163.
  13. Mosbah, A.Y., Wexler, D., Calka, A. (2005), Abrasive wear of WC-FeAl composites, *Wear*, vol. 258, issue 9, pp. 1337-1341.
  14. Larsen-Basse, J. (1997), Friction in two-body abrasive wear of a WC-Co composite by SiC, *Wear*, vol. 205, pp. 231-235.
  15. Basu, S.N., Sarin, V.K. (1996), Oxidation behavior of WC-Co, *Materials Science and Engineering*, vol. A209, pp. 206-212.
  16. Han X. (2006), On the plastic deformation of mechanisms of WC-Co alloys at high temperature, *MSc dissertation*, University of Witwatersrand, Johannesburg.
  17. Machio, C.N. (2005), Preparation, characterization and testing of WC-VC-Co HP/HVOF thermal spray coating, *PhD dissertation*, University of Witwatersrand, Johannesburg.