

REFERÊNCIAS BIBLIOGRÁFICAS

1. AKAGAKI, T.; KATO, K., Effects of additives on wear mode and morphology of wear debris generated in the lubricating sliding of steel, **Wear** 143, p.119-135, 1991
2. BARNES, A.M.; BARTLE, K.D.; THIBO, V.R.A., A review of zinc dialkyldithiophosphates (ZDDPS): characterization and role in the lubricating oil, **Tribology International** 34, p. 389–395, 2001
3. BAYER, R.G., **Mechanical wear prediction and prevention**, Marcel Dekker, 657p., 1994
4. BAYLEY, D.M., SAYLES, R.S. Effect of roughness and sliding friction on contact stresses, **Journal of Tribology**, Transactions of the ASME, V.113, p.729-738, 1991
5. BLAU, P.J., **Friction Science and Technology**, Marcel Dekker, 398p., 1996
6. BLAU, P.J., Fifty years of research on the wear of metals, **Tribology International**, Vol 30 no 5, p. 321-331, 1997
7. BLAU, P.J., WALUKAS, M., Sliding friction and wear of magnesium alloy AZ91D produced by two different methods, **Tribology International** 33, p. 573–579, 2000
8. BOWDEN, F.P; TABOR, D., **The friction and lubrication of solids – Part II**, Oxford University Press, 544p., 1964
9. BUDINSKI, K.G., Friction in machine design. In: **Tribological modeling for mechanical designers**, ASTM STP 1105, p.89-126, ASTM, Philadelphia, 1991
10. CAMERON, A., On a unified theory of boundary lubrication, In: **Proceedings of the 11th Leeds-Lyon Symposium on Tribology**, Butterworths, p.94-99, 1984
11. CANN, P., IOANNIDES, E., JACOBSON, B., LUBRECHT, A.A. The lambda ratio – a critical re-examination, **Wear** 175, p.177-188 (1994)
12. CAVDAR, B., Effect of temperature, substrate type, additive and humidity on the boundary lubrication in a linear perfluoropolyalkylether fluid, **Wear** 206, p.15-23, 1997
13. CHEN, H., ALPAS, A.T., Sliding wear map for the magnesium alloy Mg-9Al-0.9 Zn (AZ91), **Wear** 246, p.106–116, 2000
14. CHENG, H.S., Elastohydrodynamic lubrication, In: **CRC Handbook of Lubrication**, Vol.II Theory & Design, CRC Press, p.139-162, 1988

15. CHIAVERINI, V., **Aços e ferros fundidos**, ABM, 599p., 1996
16. COSTA NETO, P.L.O., **Estatística**, Edgard Blücher Ltda., 264 p., 1977
17. CUTLER, J.N., SANDERS, J.H., JOHN, P.J., DeSTASIO, G., GILBERT, B., TAN, K., Chemical characterization of antiwear films generated by Tris-[p- (perfluoroalkylether) phenyl] phosphine using X-ray absorption spectroscopy, **Wear** 236, p.165–178, 1999
18. CZICHOS, H., Systems analysis, In: **CRC Handbook of Lubrication**, Vol.II Theory & Design, CRC Press, p.645-661, 1988
19. CZICHOS, H., Design of friciton and wear experiments, In: **ASM Handbook**, Vol. 18, Friction, lubrication and wear technology, ASM International, p.487, 1992
20. CZICHOS, H., HABIG, K.-H. Lubricated wear of metals, In: **Proceedings of the 11th Leeds-Lyon Symposium on Tribology**, Butterworths, p.135-147, 1984
21. DIZDAR, S., ANDERSSON, S., Influence of pre-formed layers on wear transition in sliding lubricated contacts, **Wear** 213, p.117-122, 1997
22. DOWSON, D. Elastohydrodynamic and micro-elastohydrodynamic lubrication, **Wear** 190 p. 125-138, 1995
23. DOWSON, D. **History of Tribology**, Professional Engineering Publishing, 759p., 1997
24. DOWSON, D., TAYLOR, C.M., GODET, M., BERTHE, D. **Surface Roughness effects in lubrication**, Proceedings of the 4th Leeds-Lyon Symposium on Tribology, Mechanical Engineering Publications, 349 p., 1978
25. DRAGON-LOUISET, M., On a predictive macroscopic contact-sliding wear model based on micromechanical considerations, **International Journal of Solids and Structures** 38 p. 1625-1639, 2001
26. DUMONT, B., BLAU, P.J., CROSBIE, G.M. Reciprocating friction and wear of two silicon nitride-based ceramics against type 316 stainless steel, **Wear** 238, p.93–109, 2000
27. DWYER-JOYCE, R.S., SAYLES, R.S., IOANNIDES, E. An investigation into the mechanisms of closed three-body abrasive wear, **Wear** 175, p.133-142, 1994
28. GAUTAM, M.; CHITOOR, K.; DURBHA, M.; SUMMERS, J.C., Effect of diesel soot contaminated oil on engine wear - investigation of novel oil formulations, **Tribology International** 32, p.687–699, 1999

29. GEE, A.W.J.; BEGELINGER, A.; SALOMON,G., Failure mechanisms in sliding lubricated contacts, In: **Mixed lubrication and lubricated wear, Proceedings of the 11th Leeds-Lyon Symposium**, England, p.108-116, 1984
30. GUANGTENG, G. CANN, P.M., OLVER, A.V., SPIKES, H.A., An experimental study of film thickness between rough surfaces in EHD contacts, **Tribology International** 33, p.183-189, 2000
31. GUANGTENG, G., SPIKES, H. Fractionation of liquid lubricants at solid surfaces, **Wear** 200, p.336-345, 1996
32. HOKKIRIGAWA, K., KATO, T., FUKUDA, T., SHINUOKA, M., Experimental and theoretical analysis of wear mechanisms of metals in tilted block on plate type sliding, **Wear** 214, p.192-201, 1998
33. HUTCHINGS, I.M., **Tribology: friction and wear of engineering materials**, Edward Arnold, Great Britain, 273p., 1992
34. HWANG, D.H., KIM, D.E., LEE, S.J., Influence of wear particle interaction in the sliding interface on friction of metals, **Wear** 225-229, p.427-439, 1999
35. JAHANMIR, S., Wear reduction and surface layer formation by a ZDDP additive, **Journal of Tribology, Transactions of the ASME**, Vol.109, p.577-586, 1987
36. JISHENG, GAWNE, C.T., Wear characteristics of plasma-nitrided CrMo steel under mixed and boundary conditions, **Journal of Materials Science** 32, p.913-920, 1997
37. JONES, M.H., SASTRY, V.R.K., YOUSDAN, G.H. A study of the running-in wear of a diesel engine by ferrographic and spectrographic techniques, In: **Surface Roughness effects in lubrication**, Proceedings of the 4th Leeds-Lyon Symposium on Tribology, Mechanical Engineering Publications, p.148-154, 1978
38. KHURSHUDOV, A.G.; DROZDOV, Y.N.; KATO, K., Transitional phenomena in the lubricated heavily loaded sliding contact of ceramics and steel, **Wear** 184, p.179-186, 1995
39. KUMACHEVA, E. Interfacial friction measurement in surface force apparatus, **Progress in Surface Science**, Vol. 58, n.2, p.75-120, 1998
40. LUDEMA, K.C., **Friction, wear, lubrication: a textbook in tribology**, CRC Press, 257p., 1996
41. LUDEMA, K.C. Friction, In: **CRC Handbook of Lubrication**, Vol.II Theory & Design, CRC Press, p.31-48, 1988

42. LUENGO, G., ISRAELACHVILI, J., GRANICK, S. Generalized effects in confined fluids: new friction map for boundary lubrication, **Wear** 200, p.328-335, 1996
43. MARTIN, J.M., LE MOGNE T., BOEHM M., GROSSIORD, C. Triboochemistry in the analytical UHV tribometer, **Tribology International** 32, p.617–626, 1999
44. MARTIN, J.M. MANSOT, J.L.; BERZEBIER, I.; BELIN, M., Microstructural aspects of lubricated mild wear with ZDDP, **Wear** 107, p.355-366, 1986
45. MARU, M.M. **Estudo tribológico do aço inoxidável nitretado contra ferro fundido cinzento em máquina de ensaio de desgaste com movimento alternado.** Dissertação de Mestrado, Escola Politécnica, Universidade de São Paulo, 122 p. , 1998
46. MARU, M.M.; SINATORA, A. Comparativo do desempenho tribológico em ensaios de deslizamento com diferentes lubrificantes. **XVI COBEM - Congresso Brasileiro de Engenharia Mecânica**, Uberlândia, MG, 26 a 30 de novembro de 2001. Anais em CD ROM
47. MARUI, E., ENDO, H., Effect of reciprocating and unidirectional sliding motion on the friction and wear of copper on steel, **Wear** 249, p. 582–591, 2001
48. McFADDEN, C.; SOTO, C.; SPENCER, N.D., Adsorption and surface chemistry in tribology, **Tribology International**, Vo.30, n.12, p.881-888, 1997
49. McGEHAN, J.A. YAMAGUCHI, E.S., Gasoline-engine camshaft wear: the culprit is blow-by, **SAE Technical Paper Series**, no. 892112, 1989
50. MEHAN, R.L., The wear of selected materials in mineral oil containing a solid contaminant. **Wear** 124, p.65-85, 1988
51. MEHAN, R.L.; FLYNN, P.L.; GLAMMARISE, A.W., Evaluation of piston ring materials in oil containing an abrasive using a ring-on-block test machine. **Wear** 147, p.41-57, 1991
52. MURADIAN, J., **Especroscopia no infravermelho**, cap. 5: Absorções de grupos funcionais comuns, p.45-167, Universidade de São Paulo (distribuição interna), 1980
53. MYSHKIN, N.K., Friction transfer film formation in boundary lubrication, **Wear** 245, p.116-124, 2000
54. NEALE, M.J., **The Tribology Handbook**, 2^a Ed., Butterworth-Heinemann, 1997

55. ODABAS, D., SU, S., A comparison of the reciprocating and continuous two-body abrasive wear behavior of solution-treated and age-hardened 2014 Al alloy, **Wear** 208, p.25-35, 1997
56. ODI-OWEI, S.; ROYLANCE, B.J., The effect of solid contamination of the wear and critical failure load in a sliding lubricated contact, **Wear** 112, p. 239-255, 1986
57. ODI-OWEI, S.; ROYLANCE, B.J., Lubricated three-body abrasive wear-contaminant condition versus bounding surface material hardness, **Tribology International**, Vol.20, n.1, p.32-40, 1987
58. PAWLUS, P., A study of the dependence of the functional properties of the cylinder liner surface layer on the operating conditions, **Proceedings of Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology**. IMechE, Vol. 210, 1996
59. PERSSON, B.N.J., **Sliding friction – Physical principles and application**, Nanoscience and Technology, 462p., 1998
60. PERSSON, B.N.J., Sliding friction, **Surface Science Reports** 33, p.83-119, 1999
61. PETERSON, M.B., Design considerations for wear control, In: **Wear Control Handbook**, ASME, 1980, p.443
62. PINTAÚDE, G., TANAKA, D.K., SINATORA, A., Influência do tamanho e da dureza de partículas abrasivas na severidade de um sistema a dois-corpos, In: **XVI Congresso Brasileiro de Engenharia Mecânica COBEM 2001**, 26 a 30.11.2001, ABCM, Uberlândia, MG. ISBN-85-85769-06-8. **Anais** (CD-Rom)
63. PRIEST, M., DOWSON, D., TAYLOR, C.M., Predictive wear modeling of lubricated piston rings in a diesel engine, **Wear** 231, p.89–110, 1999
64. PRIEST, M., TAYLOR, C.M., Automobile engine tribology — approaching the surface, **Wear** 241, p.193–203, 2000
65. PRUTTON, M., **Introduction to surface physics**, Clarendon Press, 196p., 1998
66. REASON, R.E., Surface Topography, In: **Tribology Handbook**, Butterworths, London, 1973
67. ROYLANCE, B.J., VAUGHAN, D.A., The role of wear particle analysis in thin-film lubrication, In: **Proceedings of the 11th Leeds-Lyon Symposium on Tribology**, Butterworths, p.289-292, 1984
68. SANTOS, T.A.A.B.; GOMES, G.F., Aplicações da ferrografia na indústria automotiva, In: Anais do **Workshop RECOPE - Tratamento de**

superfícies para a indústria automobilística – Técnicas-caracterização-desempenho-potencialidades, EPUSP, 26/05/1999, p.108-115, 1999

69. SAYLES, R.S., Debris and roughness in machine element contacts: some current and future engineering implications, **Proceedings of the Institution of Mechanical Engineers-Part J: Journal of Engineering Tribology**, V.209, p. 149-171, 1995
70. SCHUMACHER, R., ZINKE, H., Tribofragmentation and antiwear behavior of isogeometric phosphorus compounds, **Tribology International**, Vol.30, n.3, p.199-208, 1997
71. SCHUMACHER, R.; ZINKE, H.; LANDOLT, D.; MATHIEU, H.J., Improvement of lubrication breakdown behavior of isogeometrical phosphorus compounds by antioxidants, **Wear**, Vol.146, n.1, p.25-35, 1991
72. SEELY, F.B.; SMITH, J.O. **Advanced mechanics of materials**. Cap. 11. John Wiley & Sons, 1963
73. SO, H.; LIN, Y.C.; HUANG, G.G.S.; CHANG, T.S.T. Antiwear mechanism of zinc dialkyl dithiophosphates added to a paraffinic oil in the boundary lubrication condition. **Wear**, Vol.166, n.1, p.17-26, 1993
74. SREENATH, A.V.; RAMAN, N., Running wear of a compression ignition engine: factors influencing the conformance between cylinder liner and piston rings, **Wear** 38, p.271-89, 1976
75. TING, L.L.; MAYER Jr, J.E., Piston ring lubrication and cylinder bore wear analyses, Part II – Theory verification, **Journal of Lubrication Technology**, Transactions of the ASME, p. 258-266, 1974
76. TOMANIK, A.E., **Modelamento do desgaste por deslizamento em anéis de pistão de motores de combustão interna**, 198p., 2000. Tese (Doutorado), Escola Politécnica da Universidade de São Paulo, São Paulo
77. VINCI, L. da, **I Libri di Meccanica**, Ulrico, Milano, p.355-383, 1940
78. WAKURI, Y.; SOEJIMA, M.; KITAHARA, T.; FUJISAKI, K., NUKI, K., Effect of lubricating oils on piston ring friction and scuffing. **Japanese Journal of Tribology**, v.40, n5, 1995, p.437-449
79. WAKURI, Y.; SOEJIMA, M.; YAMAMOTO, T.; OOTSUBO, M. Fundamental studies on scuffing between cylinder and piston ring. **International Journal of Vehicle Design**, v.9, n2, p.203-215, 1988
80. WAN, G.T.Y.; SPIKES, H.A. The behavior of suspended solid particles in rolling and sliding elastohydrodynamic contacts. **STLE Transactions**, V.31, n1, p.12-21, 1987

81. WAN, Y.; PU, Q.; XUE, Q.; SU, Z., Antiwear and extreme pressure characteristics of 2-mercaptopbenzoathiazole derivative as the potential lubricating oil additive, **Wear** 192, p.74-7, 1996
82. WANG, F.; CHENG, Y.; GUAN, D., On the tribological behavior and surface analysis of a sliding PSZ ceramic-steel pair, **Journal of Tribology**, Transactions of the ASME, Vol. 117, p.548-52, 1995
83. WANG, F-X., LACEY, P., GATES, R.S., HSU, S.M., A study of the relative surface conformity between two surfaces in sliding contact, **Journal of Tribology**, Transactions of the ASME, V.113, p.755-761, 1991
84. WARD, R. A comparison of reciprocating and continuous sliding wear. **Wear** 15, p. 423-34, 1970
85. WHITEHOUSE, D.J., **Handbook of Surface Metrology**, Cap.7 - Surface geometry and its importance in function, p.749-927, IOP Publishing Ltd, 1994
86. WILLIAMS, J.A., HYNCICA, A.M., Mechanisms of abrasive wear in lubricated contacts, **Wear** 152, p.57-74, 1992
87. XUAN, J.L.; HONG, I.T.; FITCH, E.C., Hardness effect on three body abrasive wear under fluid film lubrication, **Journal of Tribology**, Transactions of the ASME, Vol.111, p.35-40, 1989
88. YAMAGUCHI, E.S., The relative wear performance of neutral and basic zinc dithiophosphates in engines, **Tribology Transactions**, Vol. 42, n.1, p.90-95, 1999
89. YAMAGUCHI, E.S.; RYASON, P.R.; LABRADOR, E.Q.; HANSEN, T.P., Comparison of the relative wear performance of neutral and basic ZnDTP salts, **Tribology Transactions**, Vol.39-1, p.220-224, 1996