

Referenser

1. GWEC, *Global wind report, Annual market update 2010*, april 2011
2. Y Feng, P Tavner, *Introduction to wind turbines and their reliability & availability*, Durham side event at the EWEC conference, Warsaw, april 2010
3. ISO 15243:2004, *Rolling bearings – Damage and failures – Terms, characteristics and causes*
4. ISO 281, *Rolling bearings – Dynamic load ratings and rating life*; ISO/TR 1281-2: *Rolling bearings – Explanatory notes on ISO 281 – Part 2: Modified rating life calculation, based on a systems approach to fatigue stresses*, och SKF Huvudkatalog
5. H Swahn, P C Becker, O Vingsbo (1976a), *Martensite decay during rolling contact fatigue in ball bearings*. Metallurgical Transactions A, Vol 7A, nr 8, sid 1099–1110
6. J Gegner, *Tribological aspects of rolling bearing failures*. In: *Tribology – Lubricants and Lubrication*, Kuo, C-H (Ed.), InTech, Rijeka, Croatia, 2011, Kap 2, sid 33–94, <http://www.intechopen.com/articles/show/title/tribological-aspects-of-rolling-bearing-failures>
7. J Gegner, *Frictional surface crack initiation and corrosion fatigue driven crack growth*, NREL workshop, Broomfield, November 2011
8. J Luyckx, *Hammering wear impact fatigue hypothesis WEC/irWEA failure mode on roller bearings*, NREL workshop, Broomfield, november 2011
9. W Holweger, *Influence on bearing life by new material phenomena*, NREL workshop, Broomfield, november 2011
10. M H Evans, *White structure flaking (WSF) in wind turbine gearbox bearings: Effects of 'butterflies' and white etching cracks (WECs)*, Material Science and Technology, Vol 28 nr 1, 2012
11. J P Molly, *Wind energy – Quo vadis?* DEWI Magazine nr 34, februari 2009
12. D Heidenreich, *A lean solution to the gearbox life problem in wind turbine drive systems*, Hannovermässan 2011
13. J Rosinski, D Smurthwaite, *Troubleshooting wind gearbox problems*, Gear-solutions 2010
14. A Heege et al., *Matching experimental and numerical data of dynamic wind turbine loads by modelling of defects*, SAMTECH, EWE 2009
15. D Aguglia, R Rebeschini, *Power transformer role for gearbox mechanical stress mitigation during voltage dips applied to doubly-fed induction generator based WT*, EWE 2010 Warsaw, april 2010
16. J Gegner, W Nierlich, *Mechanical and tribochemical mechanisms of mixed friction induced surface failures of rolling bearings and modelling of competing shear and tensile stress controlled damage initiation*. Tribologie und Schmierungstechnik, Vol 58, 2011, nr 1, sid 10–210
17. W Nierlich, J Gegner, *Einführung der Normalspannungshypothese für Mischreibung im Wälz-Gleitkontakt. Gleit- und Wälzlagerungen: Gestaltung, Berechnung, Einsatz*, VDI-Berichte 2147, VDI Wissensforum, Düsseldorf, Germany, 2011, sid 277–290 (på tyska)
18. M N Kotzalas, G L Doll, *Tribological advancements for reliable wind turbine performance*, Phil Trans R Soc A 368, 2010
19. T Thomas, *Schäden durch Schwingungen noch nicht im Griff*, VDI Nachrichten, 26 Feb 2010, nr 8
20. T Korzeniewski, *Gearbox protection concept for wind turbine generator systems*, DEWI nr 36, 2010
21. FVA 541 I, *Wälzlagerlebensdauer-Windgetriebe*, 2010
22. B Kamchev, *Wind energy encounters turbulence*, Lubes'n'greases 2011
23. R Heemskerk, *Challenges on rolling bearings in wind turbines*, VDI Gleit- und Wälzlagerungen 2011
24. IEC/ISO 61400-1 to 25, *Design requirements for wind turbines*
25. ANSI/AGMA/AWEA 6006-A03, *Standard for design and specification of gearboxes for wind turbines*, 2003
26. O Klempert, *Belastungen im Getriebe werden zum Streithema*, VDI Nachrichten, 14 maj 2010, nr 19
27. W Musial, S Butterfield, B McNiff, *Improving wind turbine gearbox reliability*, NREL, 2007
28. H Uyama, *The mechanism of white structure flaking in rolling bearings*, NREL workshop, Broomfield, november 2011
29. N Kino, K Otani, *The Influence of hydrogen on rolling contact fatigue life and its improvement*, JSAE Rev, 24, 2003
30. K Tamada, H Tanaka, *Occurrence of brittle flaking on bearings used for automotive electrical instruments and auxiliary devices*, Wear, 199, 1996
31. T Lund, *Subsurface initiated rolling contact fatigue – Influence of non-metallic inclusions, processing conditions and operating conditions*, J ASTM Int, 7, 2010
32. T Lund, *SABB1309*, ASTM conference, Tampa, 2011
33. R Vegter, J Slycke, *The role of hydrogen on rolling contact fatigue response of rolling element bearings*, J ASTM Int, 7, 2009
34. I Strandell, C Fajers, T Lund, *Corrosion – One root cause for premature failures*, 37th Leeds-Lyon Symposium on Tribology, 2010
35. J Gegner, W Nierlich, *Sequence of microstructural changes during rolling contact fatigue and the influence of hydrogen*. Proceedings of the 5th International Conference on very high cycle fatigue, Berger, C and Christ, H-J (Eds), German Association for Materials Research and Testing (DVM), Berlin, 2011, sid 557–562
36. J Gegner, W Nierlich, *Hydrogen accelerated classical rolling contact fatigue and evaluation of the residual stress response*, Material Science Forum Vol 681, 2011
37. T H Kim, A V Olver, P K Pearson, *Fatigue and fracture mechanism in large rolling element bearings*, Tribology Transaction, 44, 2001
38. J Lai et al, *The fatigue limit of bearing steels – Part I: A pragmatic approach to predict very high cycle fatigue strength*, International J o Fatigue, 37, 2012
39. R Pasaribu, P Lugt, *The composition of reaction layers on rolling bearings lubricated with gear oils and its correlation with rolling bearing performance*, Tribology Transaction, STLE, 2012
40. I Nedelcu, E Piras, A Rossi, R Pasaribu, *XPS analysis on the influence of water on the evolution of zinc dialkyldithiophosphate-derived reaction layer in lubricated rolling contacts*, ECASIA special issue paper, Surf Interface Anal, 2012
41. B Han, Bo X Zhou, R Pasaribu, *C-Ring hydrogen induced stress corrosion cracking (HISCC) tests in lubricating liquid media*, European Corrosion Congress, Stockholm, 2011
42. A Félix-Quiñonez, G E Morales-Espejel, *Film thickness fluctuations in time-varying normal loading of rolling elastohydrodynamically lubricated contacts*, Proc IMechE Vol 224 Part C, 2010
43. A Félix-Quiñonez, G E Morales-Espejel, *Film thickness in EHL rolling contacts with transient normal load*, ITC Hiroshima, 2011
44. W Holweger, J Loos, *Beeinflussung der Wälzlagerlebensdauer durch neue Werkstoffphänomene in speziellen Anwendungen*, Antriebstechnisches Kolloquium Aachen, ATK, 2011
45. M Brueckner, J Gegner, A Grabulov, W Nierlich, J Slycke, *Butterfly formation mechanisms in rolling contact fatigue*, D Verb für Materialfor. und -prüfe V, 2011
46. J Lai, J Wang, E Ioannides, *Fluid-crack interaction in lubricated rolling-sliding contact*, Proceedings of the STLE/ ASME, IJTC 2008
47. J Gegner, W Nierlich, *Operational residual stress formation in vibration-loaded rolling contact*. Advances in X-ray Analysis, Vol 52, 2008, sid 722–731
48. G E Morales-Espejel, V Brizmer, *Micropitting modelling in rolling-sliding contacts: Application to rolling bearings*, Trib Trans Vol 54, sid 625–643, 2011
49. K Stadler, G E Morales-Espejel, V Brizmer, *Micropitting in rolling bearings: influence of lubrication, roughness, wear and ways of prevention*, Antriebstechnisches Kolloquium Aachen, ATK 2011