

◆ Reference:

1. P. Buttafava et al., Lubrication and Wear Problems of Perpendicular Recording Thin Film Flexible Media, IEEE Trans. Mag., Vol. MAG-21, No. 5, 1985
2. Y. Kimachi et al., Uniformity Quantification of Lubricant Layer on Magnetic Recording Media, IEEE Trans. Mag., Vol. MAG-23, No. 5, 1987
3. M. Yanagisawa, Slip effect for thin liquid film on a rotating disk, J. Appl. Phys. **61**, 1034-1037, 1987
4. 2019 INSIC Technology Roadmap, 2019
5. B. Marchon et al., Tribology of the Head-Disk Interface, Advances in Tribology, 2013
6. R. J. Waltman et al, Lubricants for Rigid Magnetic Disks, Encyclopedia of Tribology. 2056-2064, 2013
7. X. C. Guo et al., Multidentate functionalized lubricant for ultra-low head/disk spacing in a disk drive, J. Appl. Phys. **100**, 044306–1–044306–8, 2006
8. K. Sonoda et al., The Tribological Properties of the New Structure Lubricant at the Head–Disk Interface. IEEE Trans. Mag., Vol. 43, No. 6, 2007
9. D. Reinsel et al., IDC Data Age 2025. IDC White Paper. www.idc.com. 2017
10. <https://www.seagate.com/innovation/hamr/>
11. R. J. Waltman et al., The Effect of Solvents on the Perfluoropolyether Lubricants Used on Rigid Magnetic Recording Media, Tribol. Lett., **16**, 215-230, 2004
12. T. Yamamoto et al. “Head-Disk Interface,” Fujitsu Sci. Tech. J., 26, No. 4, 415–427, 1991
13. V. Raman et al., Flyability Failures Due to Organic Siloxanes at the Head/Disk Interface. J. Triol. Vol. 122, No. 2, 444-449, 2000
14. P. H. Kasai et al., Hydrocarbon Transfer in Disk Drives, ASME Conference on ISPS, 2014
15. Y. W. Seo et al., Experimental Investigation of the Effect of Hydrocarbon Oil Contamination on a Disk Surface. ASME Conference on ISPS, 2016