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## Friction of Steel Sliding under Boundary Lubrication Regime in Commercial Gear Oils at Elevated Temperatures

**August 6, 2008** 

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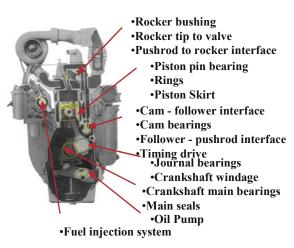




A U.S. Department of Energy laboratory managed by The University of Chicago



- ■Challenges:
- ■Increase efficiency by reducing parasitic boundary regime friction losses
- ■Enable operation with lower-viscosity oils, while maintaining durability
- ■Task : Investigate oils and formulations for friction-reducing potential
- ■Evaluate friction and wear behavior of gear-oil-lubricated steel surfaces under boundary lubrication at temperatures as service temperatures



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