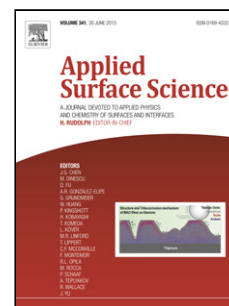


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Title: Study of the effect of tribo-materials and surface finish on the lubricant performance of new halogen-free room temperature ionic liquids

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Highlights

- Four new halogen-free ionic liquid lubricants show outstanding friction-reducing and anti-wear ability in ceramic-steel and steel-epoxy contacts.
- In ceramic-steel contacts, the tribological results depend on steel surface roughness.
- No tribocorrosion nor degradation processes are observed.

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