

Aşağıda verilen teknik içerikli pasajı Türkçe'ye tercüme ediniz?..... *Sözlük kullanımı serbest*

### **Friction and Lubrication**

Whenever one surface moves over another, a force which resists the movement takes place.& This force, which we call friction, always opposes motion and exists in every machine.& It can be reduced by lubrication but never completely removed.& In general, the friction force opposing motion is slightly greater before movements starts than after movement has started.& This slightly greater force is called static friction.& The force which must be overcome to keep one surface moving over another is known as sliding friction.& Static friction is thus greater than sliding friction.& The value of sliding friction depends on the nature of the two surfaces which touch each other.& Thus friction between two rough planks can be lessened if they are made smooth.& Sliding friction is independent of the area of surface in contact.&

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When one block slides over another the two surfaces scrape against each other, breaking off tiny pieces from each other.& However, if we lubricate the two surfaces, oil fills the tiny valleys.& One block can now move easily over the other.& Lubrication thus reduces friction and wear on the material because the surfaces do not scrape against each other.& The selection of the correct lubricant is extremely important.& depends on many factors.& If the oil is, for example, too thick the lubricant itself will cause some resistance to the motion.& In selection of lubricants, many factors such as the operating speeds and operating temperature ranges of the machinery which is lubricated must be considered.&

Başarılar dilerim,  
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